

SEQUENCE LISTING

<110> Gorlach, Jorn
 An, Yong-Qiang
 10 Hamilton, Carol M.
 Price, Jennifer L.
 Raines, Tracy M.
 Yu, Yang
 Rameaka, Joshua G.
 15 Page, Amy
 Matthew, Abraham V.
 Ledford, Brooke L.
 Woessner, Jeffrey P.
 Haas, William David
 20 Garcia, Carlos A.
 Krickner, Maja
 Slader, Ted
 Davis, Keith R.
 Allen, Keith
 25 Hoffman, Neil
 Hurban, Patrick

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<210> 27
 60 <211> 435

5 <212> DNA
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<220>
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10 <222> (1)...(435)
 <223> n = A,T,C or G

<400> 27
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 ttgcaaccgc ggcttgctga acaattggct cgagcttctc atctttgttg tcttcccata 180
 aatcaggtat tgcttccttt atgttatgaa tgctgcttag tgcatagtca gcacctggaa 240
 ctgacactga ttccccaca aacacggttt ttagccctgt tgcttttagca ctagcgatgt 300
 tacgaatact gtcacgaag aatatcgttt tgcgtggatc aacaatgtct gcaatgcgaa 360
 20 ttgcagcttc aaatgcttcn nnnagagggt tacagaggat ttgagtgttt gaatcagaag 420
 aagggttag tgttt 435

<210> 28
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25 <212> DNA
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<220>
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30 <222> (1)...(435)
 <223> n = A,T,C or G

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 aaaataacag aagtccaaaa aaaattccac aaagtaaaga aatttatcga agtgtttcat 180
 caatttcaag aaaacagaag agtcgttaat ctgaatcaat acatcaatca agctttcgat 240
 ttcttccctt tggatcagc aactacgggc ttggccttga aaggcaaaaa cgtctctccg 300
 cccataaacg gctgcagaac ctcaggaatg tcgacaccat cctctcgtcg gtagttctcg 360
 40 agaatgcagc aaatggtntt ctctgttgca gtaagtgtcg aattcagcat atgcacatac 420
 tgctttgtct gctca 435

<210> 29
 <211> 435

45 <212> DNA
 <213> Arabidopsis thaliana

<400> 29
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 taagaaataa gagtttcatt ttcttattct gaacaatcat cataagtaat gtggctgtgc 180
 tctgtacagc taacaaccgc gaagagaatg cttacttgag atgttcaacg tcttgcaaaa 240
 atcaaacttc cccaggaagc atagtatcta ccggaccaag atcacagtag gcaatgccct 300
 ctccagtgag gtgtgcaaca catctcttct cagccaacag ttccgcttcc gacttggcga 360
 55 ttcgttggcg aaggtagtca tcaatttcta catccttgac aagttcataa tctccatctc 420
 ccttcgaccg gcatg 435

<210> 30
 <211> 435

60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 30

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10 ggtgtgatta catgccttcc gatcgtaaaa actggatggc cggcgttcga cctgaaaagc      180
ttcacatcaa caagatcgtc tggcctggga cgcacgactc tgccaccaac aaaatcggta      240
tccgattcgt gtctcgcccc tttgctaagt gccaatctct ctccatctat aaccagctcg      300
tggcgggtac tcgagtcctt gacattcgtg tccaagaaga tcgccgtgta tgcacacggg      360
atcctcaaga cttatagtgt cgacgttgtc ttggccgata tcaaacgggt tctatccgaa      420
15 acagagtcgg agatt                                     435
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<210> 31

<211> 435

<212> DNA

20 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(435)

25 <223> n = A,T,C or G

<400> 31

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30 ggtaaaaatta ctaatttaag tgtttgtttg tcnnnttagg tccggttcann caacgggctc      180
ttctcacact cgaggagaag agtcttacct acaaaatcca tctgattaac ctctctgaca      240
aaccocagtg gtcagtttct ctcacgccta aacccttaag atcgggtctag tttgaacttg      300
tttagccata atctctgaaa ttttacttgt aactggtagc agcttttgtg taaccggaaa      360
ttggattggc ttcattgtgc agcatttgtt taaccggaac ttgaaattgg tggctttggg      420
35 tttatatatg atgca                                     435
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<210> 32

<211> 435

<212> DNA

40 <213> Arabidopsis thaliana

<400> 32

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45 aaatcagtga acggtttgat gggatatgaa gggcttgaag tgattaatcc agaaggaagt      180
acagacgatg cagaggaaga agcagggaga ggaagatgga agcaagagga acgtgatggc      240
tattggaaga tgatgcagaa gtatataggg tctgatgtta catctatggt tactcttctt      300
gtgatcattt ttgaacccat gacaatgttg cagaaaatgg ctgagttgat ggaatactca      360
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50 tcatgggcta tatct                                     435
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<210> 33

<211> 435

<212> DNA

55 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(435)

60 <223> n = A,T,C or G

5

<400> 33

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tctcagtgea	cgtctcaaga	aagcttttcaa	ggagcttgac	acttaccttc	aagaacttct	180
10 agacgagact	cttgacccta	accgccctaa	acaagaaaca	gagagtttca	ttgatctttt	240
gatgcagatc	tacaaagacc	aaccttttctc	catcaaattc	actcacgaaa	atgtcaaggc	300
catgatattg	gatattgttg	tgccgggaac	tgacacggcg	gctgcagtgg	tggtatgggc	360
catgacttac	cttattaagt	accctgaagc	aatgaagaaa	gctcaagacg	aagtgaggag	420
tgtgataggt	gacaa					435

15

<210> 34

<211> 435

<212> DNA

<213> Arabidopsis thaliana

20

<400> 34

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cgaactctca	ctctctatga	ctcttttatct	tctcgagatt	tgcttacaaa	gcagtagcat	180
25 tttgcggctg	ctctatctgg	agaggttctt	gcaactctgg	atttattgga	aacaaatggc	240
attgtgcgta	ttgcgccatc	aattgatcca	caagaactag	agccaccatt	gcttcacca	300
ttggcacagc	tctgtggaaca	acacaaggat	catgacgacc	acgcgcaatc	atttcggttt	360
ctacctgttc	tctggttacc	gtatttttgc	tccttccaat	tggtgatgtt	ggcttgaagg	420
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30

<210> 35

<211> 435

<212> DNA

<213> Arabidopsis thaliana

35

<400> 35

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ggctttcgtg	tggttgaggg	agaagagtcg	tgatgttttg	agcttaaccg	gcctggcgga	180
40 tccgggttga	ttctacgcga	gattgtggat	gaatcgggta	agagtttgac	ttgtttttga	240
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atgatttagt	ggaggagagg	gcaatattgt	aaatatattt	gacggtataa	tagagagagt	360
tgacaaaatt	ttgtaatagc	ttttggcttt	gttctatgac	atttgaaata	ttaaattgatt	420
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45

<210> 36

<211> 435

<212> DNA

<213> Arabidopsis thaliana

50

<220>

<221> misc_feature

<222> (1)...(435)

<223> n = A,T,C or G

55

<400> 36

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aaaatggcta	gtacacctgg	agttagttgt	acacttttca	gtgctttggc	gaaggcta	180
60 attaatgtcc	gagctatatc	tcaaggttgt	tctgagtaca	atgttactgt	cgttattaaa	240

5 cgtgaagata gcgtaaagnn nntaagagct gtacactoga ggtttttctt gtcaagaaca 300
acattagcaa tgggaatcgt aggaccgggc ttgattgggtg caacattact tgaccagctg 360
cgggatcagg ctgctgttct caaacaagaa tttaacattg atctgcgtgt tttgggaatc 420
acgggttcaa agaag 435

10 <210> 37
<211> 435
<212> DNA
<213> Arabidopsis thaliana

15 <400> 37
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ccctttgaat ctgggtctcag gtgtgaggcc aacgcattgta tagtgaaacc attcacctcc 120
ttggcaattc tcattgtcac aggcaatcat gtctccaaag gacacctgat ggcagacaca 180
gtaagttggg tctgttggat cgattggctg ctcttcaatt ggcataaggt ctttccgatt 240
20 gcttcctgga ggaggcatga gctcaaaatc cctgtcacga tcccagctctc tatctctata 300
atcaatcttc ttgggctgag gtgtgccata gaaggactta cgcttttccg ctttaggaac 360
tataggtagt ggaggaagaa cagagggctc gtctggtgga atttttccct cttgctttaa 420
atcttctgca aaatt 435

25 <210> 38
<211> 435
<212> DNA
<213> Arabidopsis thaliana

30 <400> 38
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cttttagtat cagatcgtga tgttttccca gacttaccac cttactaac aagagaagaa 180
tccccaaagt acatttttga aacacctcca tcatccttgt ccacattctc ttgcttggtc 240
35 accaaatgaa caaccttctc tttatgcacc tcttcattat catcctcatg cccagaatca 300
acatattcat ccccatcatg agaatcaatc gcatcatcat cctcacgatc cctatcaact 360
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atcttcaact cattc 435

40 <210> 39
<211> 435
<212> DNA
<213> Arabidopsis thaliana

45 <400> 39
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aaaactggac agaatatata tcaactaaga atgtggaaag acacacgaat cacacaaacc 120
aaataatagt gaacgctctt tgcatttttg cttattcatc tagcttttcc acttttgtgt 180
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50 atccctatca cagggtgacat ccctgaagct tgaatcttgga gaaccaccag taaatgtctg 300
agacccactg accggaacag aaccaaagct ttagccactg acatactttg caccactgtg 360
taagggtgtag tgttggtcaa aggatgaaga tcaacataca attgcatctc tgagcttggtg 420
attgcaacat catcg 435

55 <210> 40
<211> 435
<212> DNA
<213> Arabidopsis thaliana

60 <400> 40

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 aactttttatt catattacat tttgattaaa gaagcttcat tagttggggc agcaagtgc 180
 gttgacgcag ctgcaagagg agccgcactt gcacttgcaa tttgcgttgt tctcctcggc 240
 accaacgtcc atgatcatgg cctccttgta gctctcctga gtctcgacga tgtcgaagg 300
 10 gtagctgggt cctttcttta cgcactgggt cttgtcagca cagtcgcagc ttccgcagtt 360
 gcttgacatg attgagtttt tgaaaaggct ttaaaggatg tttagttatg aagtgtttga 420
 cctgccccggg cggcc 435

<210> 41

15 <211> 435

<212> DNA

<213> Arabidopsis thaliana

<400> 41

20 gaatttttatt aaacaaaaga tacaagactt aaagcctaca acgattgtgc agcaagaaaa 60
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 actcttatcc gaaaacacgt gttgacttta gaattcaact gtaacacatg ccgataagtc 180
 atcatcagaa atttaacgac atcaaccttg cgtcgcagaa gcccagaatc cgggtgaagaa 240
 aatatcgtcg aaacatcgca cgaaatTTTT ttgtttacca cctaaataac actgaacgga 300
 25 actcctaaaag aacacaacat aagggaatgg ttatatgcat cggaatattc ttcaatcttt 360
 caaccaagaa ataaccgctt gatagatttc ctgcaaatcg aggtttccaa aatcacaagc 420
 cagaattatt aattt 435

<210> 42

30 <211> 435

<212> DNA

<213> Arabidopsis thaliana

<220>

35 <221> misc_feature

<222> (1)...(435)

<223> n = A,T,C or G

<400> 42

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 tttgagtttt gtattatgat ctatctcgat tcatctctgt ataacaagtt tattgtatat 120
 ttgacaacaa cacaaatgtg ttgtctgatt agagcttgtg catgataagc tgagcaccga 180
 actgtgggtg aatgggtgatg actgtgtatg gtgcgtgaac ataggaagga gaaatctcaa 240
 acgagaacct ccgcagaatc aatgccattg ccatttttgc ctctaacagg gcaaagtctc 300
 45 ggcctatgca tctctcggg cccacgcaa agggaaagaa ggagacttgg ctctttgttg 360
 ccttnnnnng accatcttta aatctgtcag gattgaactc tgctgcgtcg tttcccaca 420
 gctcgatgtc gtgtt 435

<210> 43

50 <211> 435

<212> DNA

<213> Arabidopsis thaliana

<220>

55 <221> misc_feature

<222> (1)...(435)

<223> n = A,T,C or G

<400> 43

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 attctgaaag attacattga aggtaagctt ccacattttg caatgcctcc agagataacc 120
 cgagatgatg aaaacgagac agcggatgac actttgggag ccgaaacaag agaagggtca 180
 cagactgaga agaaaggtga agaagctcct agtcttggtc ttgatcaagt tctagatgat 240
 cttagctcgt ttgatcttgc aaatggactt gtgtcttcca aaacgaaaca gcacaagaag 300
 10 tcacatagga aacaatgatt cggctcttgat ggaacgcaa ttctgagagt tttcctgaaa 360
 ccgatcaaca aatgcnnnaa tatatgatac agttgtggat ttttcttatt gtagaaatcg 420
 tgataacatt ctaac 435

<210> 44

15 <211> 435

<212> DNA

<213> Arabidopsis thaliana

<400> 44

20 cctctagagc ggccgccctt tttttttttt ttttttaata ataatgtgta tatatattaa 60
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 tccaaaattc aatgtgaagg taagtaagta aataaataaa ggtaaaaaga gagagggggg 180
 aaaattaggg accacgacca gagacaaagc agaaacagcc aggtctctga tcttccggga 240
 tcattccacc gccttttggtg gtgtcgacag cttcaagcaa actcacaact tcttccatct 300
 25 ctggctcgtt ctccggatta gcttcccaac atctcttcat tatggtcgcc aatgctgttg 360
 gacaacatct tggaatatcc ggtctcagat tctgacgaac aacagcagaa gaaacatcag 420
 caaagctgag atcag 435

<210> 45

30 <211> 435

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<220>

35 <221> misc_feature

<222> (1)...(435)

<223> n = A,T,C or G

<400> 45

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 actcgctgtg ttcacaaagt tgttgaatga tgagatagga atatgaaaag ggagaagcat 120
 tgtgttgagg ttttacgatg ctccaaggat ttcacttact cctgtgtttg ctcagttgaa 180
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 45 ttaagtcggg tctgttggtt ggacgctcgt attagagatt tttccaagtc ctcctttcta 360
 aagaaaacan nnnnataact catgttttca cttcgtagaa tcaagctctt tgactggaaa 420
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<210> 46

50 <211> 435

<212> DNA

<213> Arabidopsis thaliana

<220>

55 <221> misc_feature

<222> (1)...(435)

<223> n = A,T,C or G

<400> 46

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gaacaaacca gtcaggaaaa ttccaagttc attcacataa ccgaaagagc cacctaaaaan 180
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10 tcaacacctt ctcatccaac actgcatact gcttcttgag ctcgatcatt gctttctcac 360
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caagagctat gtatg 435

<210> 47
15 <211> 435
<212> DNA
<213> Arabidopsis thaliana

<220>
20 <221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 47
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taattgtttc cttcttttgg gattttctcc ttggatggaa ccagctcaat taatgagatg 180
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gtttatgctc atttgtgtct ccagatgctc aaggggatgc actggttgcg ttgaggatct 300
30 ccttacgtgc attaccgaat cagctaagtg actggaatca gaaccaagtt aatccttgca 360
cttgggtcca agttatttgt gatgacaaaa actttgtcac ttctcttaca ttgtcagata 420
tgaacttctc gggaa 435

<210> 48
35 <211> 435
<212> DNA
<213> Arabidopsis thaliana

<400> 48
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acactacctc ttcaaggaaa tcatggatca taatgtctat cggcatctaa gcaagtccac 180
ttaacatgctc caaagtgtgt tggcttctac gtctaaagcc gttcccaaaa aattcaagat 240
tgattgacgt atagaacagg aacaagtccc gccatcttcc catctcttcc aggccgttc 300
45 ttctttacgt aaaaccagcc atcaacttca tactctatct ccaattctc ttctgccgtc 360
aagtttagct catcatctcc tcctgctgtg aagtcataga gcgctgttcc aaatcttgta 420
ccagtagatt tcta 435

<210> 49
50 <211> 435
<212> DNA
<213> Arabidopsis thaliana

<400> 49
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acaaatagtg acgatcgatt tgattgaacg ccaagcaatt gatattgtgaa aagaaagacc 180
agtgggtggc taatggttga gatgaccact ctgctctctc ttgtgacaga gcacgagaag 240
accacaggct ctgctattcc ttaattgtac aaacttcatt caccattatc ctgtaacacc 300
60 gttagagaaa acctccaccg gtccaagcag tgtctgattt cccattgtga cctacagatt 360

5 tctttatcgt tgcaggctga taatagaaat catcatcttt agcatcatta tcatcccaac 420
cagcccaacc gccgt 435

<210> 50
<211> 435
10 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
15 <222> (1)...(435)
<223> n = A,T,C or G

<400> 50
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gttaagctgt taacagataa aaccatatct cctgatttga tctcaagggc ataagtcagt 120
ttgctcgaan nnnnnctgct agtgagcttc atgccttctt tgaaagcttg attcgtgatc 180
agagtatctg tccgatgatc aaaactctcc cagatcgaag ttccgtcaac ggaaacaaca 240
acgagattcc cggagtcacg cagctcgatt cttgaagcgt ttttgctga attatccaat 300
ctccaaacct cagttccttc catcaccaca tttccgttgt catcgaacac aaacttgctg 360
25 gaattggaaa cagggggaagc tctgttcgcg gaccagatca gtttcgtgct gctcttgagg 420
atgatactga gtgtg 435

<210> 51
<211> 435
30 <212> DNA
<213> Arabidopsis thaliana

<400> 51
35 acgggcccgc gccattgtga tgaggactgt aagaaatatt gttaacacag ggccaaccat 60
tgtctgcacg attcatcagc cttagcattga tatttttgag tcatttgacg agcttttggt 120
catgaaacgt ggtggagaac tcatatatgc cgggtccactt ggccagaagt cttgtgagct 180
tatcaagtat ttcgagtcaa ttgaaggggt gcaaaagatc aaacctggcc ataatccggc 240
agcatggatg cttgatgtca ctgcttctac cgaggaacac cggtctggag ttgattttgc 300
tgaaattttac aggaactcaa atctttgtca acgcaacaag gagctgatcg aagtactcag 360
40 caagccaagt aacattgcaa aagaaatcga gtttccaacc agatactctc agtcactgta 420
tagtcagttt gttgc 435

<210> 52
<211> 434
45 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
50 <222> (1)...(434)
<223> n = A,T,C or G

<400> 52
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gtttcttaca acaagatata actattacgg taaaataaaa ttaaaagctt gtctgttgct 120
gtcataatcc acttttgctt aaaattaaaa acctttcaac acacaaaact ttacacactc 180
tgttatagag aagacatgta agcaaatgtg gtttctgggt atccctgcca tcattcctca 240
ccaacttctg cttcttcgtc atcatcttca tcagagtcac cttctttctc ctcttcatct 300
ccatcatcgt ctccatcaaa gtcctcttca tcagcgtcat tgttgaagta ggtgagaggg 360

5 ttggnnnaca aatcttcctt gatgatatct gcaacctgct cgtcttgcat ctcatcctca 420
acatcctcct tgtg 434

<210> 53

<211> 434

10 <212> DNA

<213> Arabidopsis thaliana

<400> 53

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15 cttcaaatta gaatcagaaa caagagcatc cttcttcatt tacacaggta aattaggtgt 120
aaaaatggtg atgagaagtg tggatctacg atcagatacc gttactagac cgacagatgc 180
gatgcgagaa gcaatgtgta acgcagaggt ggatgatgac gtcctcggat atgacccaac 240
ggctagacgt cttgaagagg agatggctaa gatgatgggg aaagaggctg ctctgttcgt 300
gccatccggg acaatgggga atctgatcag cgtgatgggt cactgcgacg tgagaggcag 360
20 cgaggtgatt cttggcgaca attgtcacat ccatgtttac gagaatggag ggatatcgac 420
tatcggggga gtgc 434

<210> 54

<211> 434

25 <212> DNA

<213> Arabidopsis thaliana

<400> 54

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cttcattggg ctgcgttttag tggcagggag gaaactgtcg ctgtgcttgt ctctctaggt 180
gctgatgctg gggcattaac ggatccatct ccagagcttc cattgggtaa aacagcagct 240
gatttggtt acgcaaattg acacagggga atttcgggat ttcttgaga gtcttcctta 300
actagttatc ttgaaaagct aacagtggac tcaaaggaaa atagccctgc caactcttgt 360
35 ggagaaaaag ctgttcaaac agtctctgag cgaaccgctg ctctatgac ctatggcgat 420
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<210> 55

<211> 434

40 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

45 <222> (1)...(434)

<223> n = A,T,C or G

<400> 55

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50 tgtgcaaaca atatgcgac tctacgaaaa gatctcaaag cttgagagtc taaaaccatc 120
cgaagatgtc aacatttctt tcaagcagct cgtttccaca tgcataccac caaacctaa 180
catcgatgtc accaagatgt gtgacagagt ccaagagatt cgacttaatc tcatcaagat 240
ttgtggtcta gccgaaggct acttagaaaa ccatttctct tcgatcttga cctcttacca 300
agacaacca cttcatcatt taaacatttt cccttattac aacaactatt tgaaactcgg 360
55 aaagctcgag ttcgaccncc tcgaacaaaa cctaaatggc tttgtcccaa agagtgtggc 420
tttcattgga tctg 434

<210> 56

<211> 434

60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 56

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gtgttcatca atctctccct ccgcatgtaa tcgcttcgcc gtcaatatca catctttctt      120
10 cttcttttatc tttaaaatct ctttagatcg attcttttgt ggattcttga aatctccgga      180
gaaaaccact atggagacgg cgactgaagt ggccacggtg gtgtcaactc cggcggttac      240
ggttgcggcg gtggcgacga ggaagagaga taagccgtat aaagggataa ggatgaggaa      300
gtggggggaag tgggtggcgg agataagaga gcctaataaa aggtcaagga tctggcttgg      360
ctcttactct actcctgaag cggcggcgcg tgcttacgac acggcggtgt tttatctccg      420
15 aggtccttct gctc                                     434
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<210> 57

<211> 434

<212> DNA

20 <213> Arabidopsis thaliana

<400> 57

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25 catatcgaaa tagtcctctt acattattga agagaaagaa aaataaaactt gaacatcaac      180
tttaaaactg aaaaaaaaaac atttcgaact tgacttaact tcagtagacg aattgcaaatt      240
cttgactatt tgtttgattc atcctctgct ttctcgacct tcgtcatgaa tgtaaccggt      300
ttcttcgggt gctcatttac ggtcaagtta aaaatatctg gctttgagta atgtccaacc      360
acatcgaagt ataacttggc tcttgctata tcaccaagat caagatcagc tgtgacgaga      420
30 cctctgatt cata                                     434
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<210> 58

<211> 434

<212> DNA

35 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(434)

40 <223> n = A,T,C or G

<400> 58

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aaaaaaaagac acaatctttt atgttttgtt ttgttattgg cctattcttc cagattttacg      120
45 ttttannnga agttatttcc caaccattag gataatttct acatgaacag ctgagactgc      180
agcaacgtgt aataattagc agcttcgtct tcaagctccc aaaacgcac accaaaacca      240
tctaacaaac tatctccata aacgtaaccg tcattagcct tttcataatt actctcgcca      300
aaatctgtgt tagggatccc aagttcgtea tcggaagctt ccaaaagatg ctgcatcact      360
ttctccttgc tgtcatcttc cacttcttct tcctttgagg aaacacatga agaaaacgag      420
50 tcttcgacgt tgga                                     434
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<210> 59

<211> 434

<212> DNA

55 <213> Arabidopsis thaliana

<400> 59

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ttcaagacaa ggatcataat gactaatatt attgaaaaag gaaatgcca atttgggtgg      120
60 ttatctaggg ttggtgttga ggagacttct tgagatgtag ggcttctttg agcttacgac      180
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5 ctagagcaaa tgccaatggt ggagggactg cattcccaat ctgcctgtgc ttgtgattta 240
 tgttccctgc aaactcgtag ctatccggaa acccctgaga tcgggcgcac tcacggactg 300
 taaggattct gtgctgttca ggatgaaagc acattccaac cttacccatg ggctgaggat 360
 ccgtgacgga agtcggaaaag tttccttgcc aatctaattc cccatatagt cccttccaac 420
 cgttgtggcg ctca 434

10

<210> 60
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

15

<220>
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 <222> (1) ... (434)
 <223> n = A,T,C or G

20

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 agacacattt gtgatgtaat gaagaaacat ctagtctagt ctggatcagt gtttcctcgg 180
 25 atacacactt ttgggttagg tgtattctgt aatcactact tcctgcaa at gcttgcaa at 240
 atatcctgtg gccagcacga atcagtttat aatacagatc acattgagga aagaatggac 300
 aaactgttta caaaggcttt atccaccatt cttgttaata tagcaattga gcccttcaa 360
 agtctagatg aagttgaggt atacccttca aatattccgg atctgacgtc tgcaagtcca 420
 ttgatgatat atgg 434

30

<210> 61
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

35

<400> 61
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 aatcacacta acaacgaagc aagagcaaac aattttctcat caatttcgtg gtaaatatat 120
 agttgggttta accttgaacc ggttttacaa gcatgaagag tctgcacaga cgagactttc 180
 40 ttacattttt tctatttttt tggacaagag cttctcaaag agcctaattc catggtggag 240
 aagaggatcg gtgcagagaa gaagaagagg aaccatagtt gaggtcaaga ttctgaatct 300
 gttccataag ttgtgaccgt cgttccttga agaaatccag acgagtgggt agtcccatga 360
 gagctgcaga tgttgacgga ggatgatgat gtcttccgta gtccattacc ggagaatact 420
 cttccattgg gatg 434

45

<210> 62
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

50

<400> 62
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 gaatattgtc ccacacattt gatctacatg tgaatgataa tgattttcca ttaatctgct 180
 55 ctccatagtc ctccaccatt gatgtatata aatccttgtg tttcaactgc cacaacctgc 240
 tcttgaatga tctctaagcc gattgaaatg tgacttcccc ggtggatgtt cttacgtaag 300
 cagcagaagc ttcaggagtg tcttcctcac tcggtggaac cagttgccag aagagaggta 360
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 gtgcttcaat taag 434

60

5 <210> 63
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 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(434)
 <223> n = A,T,C or G

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 acaatggaag ggaaagagag tcagaaaaca aaaaacaaaa atgaggatac aaaggaaact 180
 gagcgannng atcctgcagc tgaactctac aacttatttg gaatacaata tctatgctgg 240
 20 tggaaataga tagtacaagc ttgatgatgc ttcaaactgc tcttgatgca cgatgccac 300
 cttttctctt attcgagaca gatgtattga cgttgctgaa tgatccgttt ccatttccat 360
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25 <210> 64
 <211> 434
 <212> DNA
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30 <400> 64
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 actctccaca ccttcattct cattcaacga cccaaagtcc ttaaccact ctgggttatt 240
 35 ctcagcttcc tcccaaagca atctcgagtt caacacaaac ccagaccact ctagtttttg 300
 aggcaaaacc gcagcaacat catctatata aactgcactc ttccccgcat atggcaatgt 360
 attgaaaata tgccaaccaa tcaactgatc agttgagtta caagcaggac cctgtacagg 420
 taacgaagag ctct 434

40 <210> 65
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

45 <400> 65
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 gttggtcaca attgctttta cagttcttct gtatctactt cgtgatatct ttagacattt 120
 aatcaatcat taaaaaaca aaccaaaaaa tcgaaacttg ctgactcagt gtgattcacc 180
 tgtgcaaaac cccccaatta cccagaatc cgtaaagttg gttagtctcg gaaatccaaa 240
 50 tgtggaaatc tcaataaccc gattatgtaa tcgtatgacc cgacttggtc tccgggtcag 300
 gateccgacac aatgccggtg atcgaagact ctgaaaagct tcaacttttt gccgattatt 360
 tttacccttg aggagcaaaa ttccaattca agaacggttt ctgctcgaac gggctctgaa 420
 acgactcgac gaaa 434

55 <210> 66
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

60 <400> 66

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aggaattcct gtggcatttg gcaatagaga tggaagggtca aactcatgat gctcaaaaaca 180
atgttcctga gcatgacaat ccattgatga atgtgaagaa tccatcaagc aacttggttt 240
ctaagaaaga tgcacaatgt ttgtctgttt tatgcaacgg gaaatgggta cagattgtta 300
10 gaagcagtcc caaagtatca tgtgaggcct ctacttgctc aagtcattat ttgaccaaag 360
taggagaaaa ctatgtggct gaatctgaaa agatgcataa aaaggtaatc tctttctcga 420
gcaaaacctt ctct 434

<210> 67

15 <211> 434

<212> DNA

<213> Arabidopsis thaliana

<220>

20 <221> misc_feature

<222> (1)...(434)

<223> n = A,T,C or G

<400> 67

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ttggagagat aacattggaa ctcagaaaga tgttgatgag aagtgttgga gtgatcttga 180
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tngggcatta gccatggatc gtatggtcaa catggtttcg gttaaccggg gcctcatcgt 300
30 tggaccatca gtggctcaac acaaccaag accgaccatg tcttacctca aaggagctgc 360
acaaatgtat gagaacgggtg tgtagcgta cgtagatggt gaattttagt cggatgttca 420
cattcgagca ttcg 434

<210> 68

35 <211> 434

<212> DNA

<213> Arabidopsis thaliana

<400> 68

40 ctcggcgaag aagtgaagtt tccggcgatc agaggtgata tggataagga gaaggatcat 60
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aaacaacacc ttttgttctt tgaaactgtt gataggaatc gatggctcta cgatggctct 180
gcgcttgaaa aagccatcta caggtaaat gcttggtggc ttcctttgct tgttaaatat 240
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45 tggcattgtc acaggcttaa tccggtgagg tataattctg actgtgagca attttacggg 360
agagttctcg acaattctgg agttctttct tctggtgatg ggaactgcaa attgaaaact 420
gaagatttgt ggaa 434

<210> 69

50 <211> 434

<212> DNA

<213> Arabidopsis thaliana

<400> 69

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ttatatctcc ccatactttg tgacagacag tgagaaaatg tctgttgagt atgacaattg 180
caagttgctt cttggtgaca agaaagtaac caatgcaagg gatcttggtg gggttctaga 240
ggatgcgatt agaggcggat acccaatcct cataattgca gaagatattg aacaagaagc 300
60 cttagctact cttggtgtta acaagcttag aggcacactg aagattgcag ctctcaaagc 360

5 tcctggattt ggagagcgca agagccaata ccttgacgat attgccattc taactggagc 420
aactgtgatc agag 434

<210> 70
<211> 434

10 <212> DNA
<213> Arabidopsis thaliana

<400> 70
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gttccttgga gaatctcttt gaaatccagg ctttgaggaa gtgttttgtt tcagggtttg 180
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catctgatgg tgactcggaa tcaatgatga tgatgatgat gagaggcatg actgctaaga 360
20 actttgacct tgttaggtac tctggaagat ggtttgaagt agcttctctt aagcgtggat 420
ttgcaggatca aggc 434

<210> 71
<211> 434

25 <212> DNA
<213> Arabidopsis thaliana

<400> 71
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aaagcatctc gactcgcga gctccagtt taatgggtta aacttgagag gcaagatagg 240
caagatcctc aagttagata acttctcga caagttagaa gaagtcacca tcttccacgc 300
aaactccaac ggtttcacag gctctgtgcc tgatttcagc aatttgaaat tcttatacga 360
35 gctcgatcta agcaacaaca aactcacagg agatttccca actagtgtct tgaaaggaaa 420
caatctcacg tttc 434

<210> 72
<211> 433

40 <212> DNA
<213> Arabidopsis thaliana

<400> 72
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45 gatattctgga agaaaacact ctattgatat cacaatcact caaggtaaag ctctgtgctag 120
aaattggtgc acaagctgaa aacagcttac agagagagcc tgatgaagga aaaaactaga 180
gagagatata aaagctagga gcttgagtt acctccgaaa agccaaactt ctcatggaat 240
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agtttaaaacc tcgattcgac cttcttcttc aatccatggt gaaagaattc aggataagaa 360
50 gccacttcat ccatgcctct tcccatcacc tggacgagga atctgacatc aggctgtagt 420
gaattcttaa cac 433

<210> 73
<211> 433

55 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
60 <222> (1)...(433)

5 <223> n = A,T,C or G

<400> 73

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10 tgtacacttt tgggatattc atgttttttt tgtctttctg agaagaacca caaatcttct 180
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cggattctgg tttcctcgct tccagaaagt gaagtcgggt tcgcaaaatc tcgaggtggg 360
tttccagaga ttttctcatt tcttctagct tagtctccga catatttgca taggcatgag 420
15 agttttcaac agg 433

<210> 74

<211> 433

<212> DNA

20 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(433)

25 <223> n = A,T,C or G

<400> 74

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30 tttcagtttc ttaaacccta agccttcggt aacagtatct cgaacctttt tctcattcgc 180
gtctaaatcg aatctcgcca ctgttgaacc cataccatta tcggtctcag attcaaccga 240
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tatatccggt gaagactcgg cgagttaac gacgaggata ctttaagggtt cgaatattgt 360
nctgagcaag tacgcgaggg acgcacaggt ggttcaggct gattatgtga agagtagtgt 420
35 caagacggag gat 433

<210> 75

<211> 433

<212> DNA

40 <213> Arabidopsis thaliana

<400> 75

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45 tcaaatttgg tcatcatgac ggagtataag caggagcagg aaatggagat tgaagctctt 180
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ccgcttttgg atgttaaaag tattcgagga atccatgtta gtgacctcac catcttgaaa 420
50 gagaagcttg aac 433

<210> 76

<211> 433

<212> DNA

55 <213> Arabidopsis thaliana

<400> 76

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60 aacactagta atttacagag tgtatgcaca ctggacaagg tgaaatcagc tctagagagg 180

5 gcagagagag atcctgctat gttcaagaaa cgtcaatcac cggatgatac ggtttacgat 240
cattatagga cggaggetgt agcgtcaccg gtggttgccg gatgtcctgg ttgtttatcg 300
tacgtgttgg tgatgatgaa taaccgaaa tgtccgaggt gtgataccat tgttcctttg 360
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tggagtttat att 433

10 <210> 77
<211> 433
<212> DNA
<213> Arabidopsis thaliana

15 <400> 77
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aacgctcttg cgctagatgg tgatagtatt gttgctgtgt ctagcagccc ggcgagtggt 180
20 cctgaaatta agtatggaaa gaaaggtctc gattcagctg ggaagccttc atggctctgg 240
tcgaatattc aaagcccgat cagatactct gagaagggtta tggcagggct ttcattctct 300
cagtttaaaa ttctaaaagt accaattagt gatatttctg aaggctcttg cgaaggagcc 360
aaaaatccta ttgaagctat atatgtatcg tcatccaagt ctaaggagaa tgggaaatgt 420
gatcccttaa ttg 433

25 <210> 78
<211> 433
<212> DNA
<213> Arabidopsis thaliana

30 <400> 78
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ccatcaggag cagcaggaga gaagaagcca ttcggaatct gattccctga accatccata 180
35 actttcttgt aaagaggaac caaaaccaca aagccaccac aatcatcatc ctcagcttta 240
aaacctggtc catgtggctc aacccaacca attgaccact ctggatcatc aggttcagga 300
aacaccacat tccaatctt atcctcttcc cctcctgatc ctgatccctc tcttccaatc 360
catcctctct tgggtcttct cactgatgaa gaggaagaac cagtcttact agtagtagtc 420
ttcttcagtg aag 433

40 <210> 79
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<212> DNA
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45 <400> 79
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tgatcacaaa gcttcagtcg gaagaaaata aggtcgaaag cattaaaagg gacaagacag 120
ctacagaaaa gctgctgcaa gagaccatag aaaaacatca agctgaactt acttctcaga 180
50 aagactatta ctcaaacgca ttagctgcag caaaggaagc tcaagcgta gctgaggagc 240
gtaccaacaa tgaagcgagg tcagagttag agaatcgtct aaaggaggct ggagagcggg 300
aatctatgct agtcaggcg ctggaagaat tgaggcaaac cttaagcaaa aaggagcaac 360
aggcagtgtg tagggaagac atgttccgtg gagaaattga ggaccttcaa agacgctatc 420
aggctagtga gcg 433

55 <210> 80
<211> 433
<212> DNA
<213> Arabidopsis thaliana

60

5 <400> 80
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 aggatatata cgacaatgtt cgcaaggaaa aggtttacac atcaatcact atgaagagca 120
 ggttgtgtac tttattatgt aaataatgtt tgcaaagaca ctgccaatag atgtaaatgt 180
 gtatttaggt tgtccccgta agggatgctt gcaattcttc aagcgactgt cctttggttt 240
 10 ccggcacgag catccatata aaaagcaatg acaatcctcc caccatcgca aatatgtaaa 300
 aggttccttg tgcgctccat tcaaacataa agttgaaacc ataactaacg aaccaccag 360
 tggtcacga tgtaatgca acgattgacc ctgctgaaac ttttatattt atcggaata 420
 tctcagacat aat 433

15 <210> 81
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

20 <400> 81
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 aagaggatta atgcaacaat gatggagatc acttgccact cttgcaagca actatttcag 120
 ctgcctgtta cggctgatga gagtacgtcg tctcttgta tgagttacgt ttcctcggcg 180
 acaactgaag gagaatgcga gtgatccaat gcattctcat atatatatcc gtatgaacaa 240
 25 aagaaagcaa ataatgatgt taaacgaaat gacggatatt tttgtggatc tgtatgagtg 300
 atcatttttt actatatgca ttgttttctt ttgccactgc atatttcata taatgactgt 360
 aaattttgag aatcatttga atttcgatta taattcttct gcttagtttt aaaaaaaaaa 420
 aaaaaaaaaa aaa 433

30 <210> 82
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

35 <400> 82
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 ataaaatcct gggaaaacaa aagagaaaag aaaaagaaaa aacccaacat ttcactctat 120
 tagctagctg aacaacacag atcaaccact aatcctttta caatgacaaa tacacaaatc 180
 tttactcttc taaaattctg tttacttcac catcatcttc tcaggctctc gaagtgcact 240
 40 ctctctctct ctctctcaat tagttgctaa tgtaaccgtt gcttcacacg tctcccattt 300
 aagtcacaac catcagcaaa taactccttt cgatgcctcg atgatgttaa agagtgcctc 360
 ctcagcctag ccacatactc caatagctca cttagtaggg acgggcagct ttccttcaga 420
 taatcaaacc cat 433

45 <210> 83
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

50 <220>
 <221> misc_feature
 <222> (1)...(433)
 <223> n = A,T,C or G

55 <400> 83
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 ttgatttctt ccgcagtggc tcaatctccg gctccagctc cctctaactg cggaggtaga 120
 cggatctcac cggtccttc acctaagaag atgactgctc ctgctcctgc acctgaagtt 180
 tctccttctc cttctccggc agccgcattg actccagaat cctctgcttc accaccatcg 240
 60 ccgcctctag ctgattctcc taccgctgac tccccggctt tgtctccatc tgcgatctcc 300

5 gattctccga ctgaagctcc tggctctgct nnnngcggcg ccgtttcga caaattcgcc 360
 agtttcggat ctgtggcggg tatgttaact gctgccgttt tggttatcta ggttgttacg 420
 atcaatgaag ctt 433

<210> 84
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 84
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 cgcggtttttc ccggttggcg ctcatgccgg tctctcttta gccgtcactc gccgtctcgc 120
 cgccgctttct cctccacca tcttttcttt cttcaacacc gcaagatcaa acgcgtcgtt 180
 gttctcctct gatcatcccg agaacatcaa ggtccacgac gtctctgacg gtgttccgga 240
 gggaaccatg ctcggaatc cactggagat ggtcgagctg tttctcgaag cggctccacg 300
 20 tattttccgg agcgaaatcg cggcggcaga gatagaagtt ggaaagaaag tgacatgcat 360
 gtaacagat gccttcttct ggttcgcagc ggacatagcg gctgagctga acgcgacttg 420
 ggttgccttc tgg 433

<210> 85
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 85
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 agaagaaaaga taagcgttca ttgacgtata caagcacaca agtcctacag aaacatgagt 120
 agtactcaaa tcagaaacca agaactaacc attcaacaca aaatcttctt cttatcattt 180
 aaaacggcca gatgtcagat ccaccgggtt tctccacaag aatccgatta tactccggcc 240
 tcgacgtcag atctttgaaa ataacgtagg taataagcat gaagagcaca aacaggatct 300
 35 caaactcagc taatcggaag aaatagaaca ctgagtcac aaaccgagtc agaagagagt 360
 cgtctctcct cataccgact cgattagttc cagcacgtcg cccgatcatc gtcggtaaaa 420
 ttctccctcc ggc 433

<210> 86
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
 <221> misc_feature
 <222> (1) ... (433)
 <223> n = A,T,C or G

50 <400> 86
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 cggttctgtt tagattagaa gaaagctgaa ttttcagccg cttaagaggc atggcttgta 180
 gtggcaactg aggaacggc tgcgttggat gctgccagca ggtgaaaagt tnctcatcct 240
 cctcttcaan ncatgactnn ncatactatt tccaccaag aaacaacgac gtcgatatcg 300
 55 acacattctc tgaatccac cgatgaggaa agaacttaac acacaagtga tacgcagget 360
 tccttgattt gttgagagt atttttgtat tgatgggagt gcttttatgt ttaaactttt 420
 tcatattaat tgt 433

60 <210> 87
 <211> 433

5 <212> DNA
 <213> Arabidopsis thaliana

<400> 87
 10 ttttttttgggt ttgtaaat tttt actcaagacc ccaaaatcat cattgcactg tttgggtcttt 60
 gagttccaac aaaactctat gatattctcaa aagccaaaag aagatgtaac aaaccagaat 120
 gtacatcaga cttatatcag aaactttttcc aagaccaaaa actcatcaaa gtttaaaggc 180
 aaaatgcaat taataacatc tctctacttc tttaaaagct gtaaaagatc tttttcttca 240
 tcttctcatt ttctcttgct taccattttcc atatgttaat gctgaagaaa tctcagaagt 300
 tttaatcaca cgcagcctct tcaccgaaga cacaaacatt tgccatggaa catctcctac 360
 15 aagcatcttg tctccttcat tgtcttcata tgtaagagta tattctccat tcccatctaa 420
 taatccagtg att 433

<210> 88
 <211> 433
 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 88
 25 cccgaattag gctttggctg atggggccgta agagattaca catatacaaa aacgaagcgg 60
 cctaaaacgg aaaaaacaag cgcagtaaaa tctgaagaag gcagtaacac ggaaaacacg 120
 aatctcactt tccatattcg atgctaaca gattcctttg cggacaagat cacaacatca 180
 ggattttgac cgaagctagt aaatccgggtc gcaaactggt gtcgagaaca taccgaaccc 240
 agaactttcc tttcgggaaa agcagatccg ccacatctca gacctatgac ctcttctccc 300
 aaacctagca agaagagaga catcaaaaact aacccttacc tccctcgaca atctcccata 360
 30 aactacttca aaagctaaac caatcttcag atccggcaaa gaggaagcca ataacggcgg 420
 aagctgatgg aca 433

<210> 89
 <211> 433
 35 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 40 <222> (1)...(433)
 <223> n = A,T,C or G

<400> 89
 45 ccgccctttt tttttttttt ttcaaaccga tatcaacatt tatagttcca atgggattct 60
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 cactatagag ttagaaacaa cttctatcat ctgccagaag catgatagt atgccactct 180
 ctttatccat ggcttaagnn ntcagtaacc tgatgcacct tacgagactc tgagcttgag 240
 tactgtccca cggctcgggc ataaggaatt gattgtttcc cggctgcaag cgcattcaca 300
 ttttcaacta aatactgtct tgggagcctc ccgaccacat taccttcttc gttcccttct 360
 50 ctatcgagga aggcgaaatg aggaataccc tcaacaccaa actcatcaa ctcttgctcc 420
 catttcgtgt tgt 433

<210> 90
 <211> 433
 55 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 60 <222> (1)...(433)

5 <223> n = A,T,C or G

<400> 90
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 cagctgttgt ttcaaaactg cgttcttggt gtgcaatctt acttggcaag gcaaataatgc 120
 10 atgagttagg catggggacc accgggaaca attcaaatta cggaaccaca agaaacccgc 180
 atgaccta aaaggtacacg ggcggatctt cctcagggtt agcagctatt gtagccgctg 240
 gactatgnnn agctgctcta ggaacagatg gtggagggtt cgttcgcatt ccttcagcac 300
 tttgtggtat aacgggactg aagacaacat atggtcggac agatatgaca gggtcattat 360
 gtgaagggtg aacagtggaa ataattgggt cacttgcttc atctctggaa gatgccttct 420
 15 tgggtgtatgc tgc 433

<210> 91
 <211> 433
 <212> DNA
 20 <213> Arabidopsis thaliana

<400> 91
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 aattgtacat actaatggat ttaaaaaataa gaggagaaat aattttacgac gaaattggat 120
 25 ttggaactaa tcaagttttc gaggtccatc catgtttgct tcgctccaac gtattcacca 180
 tttttaattt gtgttttaat cttctctgct aagctattag agctatccaa gccattgtca 240
 tcaagcctag agacatgctt gagaagaggt ccccatgaaa acacaaaatc ttcaggggat 300
 atccaactat ctcccaaaat cactcctcca agatgaagct tcaatttgcc agattgaact 360
 gcgtcaataa ccgataaacc gagcttaacc gcgattttgc caccataaga ttcagcaaca 420
 30 atgaagagag ggc 433

<210> 92
 <211> 433
 <212> DNA
 35 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(433)
 40 <223> n = A,T,C or G

<400> 92
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 tgatgacaca agcccgaac aaaagactta tgtccacttt tctatacaat taacaagaac 120
 45 cctaatacag taatacagaa acaatccgat ggtggaaaag aaggtaacct agctttgcta 180
 ttttaagaga tgcaanaaaa aaaaaaaaaag ttggaagtgt acaccacgat ggctcccacc 240
 tatgctaaat actttcacaa tcgtgggtta ttaccggtat cagattcatg tcctgagcta 300
 tcaactgtcag agccactaga acccgagcct gagccactac tagaactgtt agaactactt 360
 gatcctccaa catttacttc ttgtcgaaca gtagatgcca catgacctaa ttcagtaact 420
 50 tttgacgatt caa 433

<210> 93
 <211> 433
 <212> DNA
 55 <213> Arabidopsis thaliana

<400> 93
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 gttcctactt cttccaagaa atcggaacc gacaccacaa agcgtgtgcc gtgcgagaaa 120
 60 ccgcctttct cgggtgggaga tctgaagaaa gcaatcccgc cgcattgttt caaacgctca 180

5 atccctcgtct ctttctccta ctttatcagt gacatcatta tagcctcatg cttctactac 240
gtcgccacca attacttctc tctcctccct cagcctctct cttacttggc ttggccactc 300
tattgggctt gtcaaggctg tgtcctaact ggtatctggg tcatagccca cgaatgcggt 360
caccacgcat tcagcgacta ccaatggctg gatgacacag ttggctcttat cttccattcc 420
ttcctcctcg tcc 433

10 <210> 94
<211> 433
<212> DNA
<213> Arabidopsis thaliana

15 <400> 94
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ttctccggtt ccaaaaccta cgccatgagc ggcaaaatca tgctaagtgc aatagtaatc 120
ctcttcttcg tcgtcatttt aatgggtctt ctocatcttt acgctcgttg gtatctcctc 180
20 cgtgctcgta gacgtcatct ccgtcgtcgt agccgtaacc gtcgcgtac gatgggtttc 240
ttcacgctg atccttccac cgccgcaact tccgtcgtcg cttcacgtgg acttgatcca 300
aacgttatta aatctcttcc tgttttctact ttctccgacg agactcataa agatccgac 360
gaatgcgccg tttgtttatc ggaattcgaa gagagcgaga cgggtcgggt tttgccaat 420
tgtcaacata ctt 433

25 <210> 95
<211> 433
<212> DNA
<213> Arabidopsis thaliana

30 <220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

35 <400> 95
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actactcatg aacctcttac ttatcggttg gatttctctc tggatcatca aacccacgac 120
catatggata caatcttggc gtcaagctga agataccgcc agacacactt tcttcggcta 180
40 ttacggtctc aactttgcg tattttcatt cctcctatt gctctctcta tcgttggact 240
catttacttg agtttactgc cacaacatca tcatccaaca agaggaggga ggggtgcagc 300
tattactgtc tcaagaccag ccattatcaa tagcttcatt ggaattntnt cttgtttcga 360
gatacttgct cttcttttct tctactctt tcttgcttgg aacttctatg cccgtgtctc 420
taacgacttc aag 433

45 <210> 96
<211> 433
<212> DNA
<213> Arabidopsis thaliana

50 <400> 96
agaaaaattg aggaaggagg aagaggagcg ccgcaggcag gaagagcttg aggtcgaagc 60
tgaggaggct aagcgtaaga gaaaagaaga aggaaaaagt agagcttttt tgggaatcag 120
aatcatcatc gatggtgaat ccaaagcgtg gcaataggtt tttcaaatac agaattgtgt 180
55 aaattgctct ctatcttctt ctctttcaaa ttctcttctt tttgttgtat tcaataactt 240
tttccccact ttgatgggct gcaaccacat attcttcttc tatctttaac tttcccacc 300
aaacttctcc ttttttttct ttttttttgg gttctgggtc tgcttttttg ttgttgttgt 360
tgttgaatga aggtccgtaa gggaagaaga cagatgattg cgaaagagca agacgaatac 420
aaattacgcc aac 433

60

5 <210> 97
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 97
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 tagagatggc tccaactcag gatcccaaca gtgtcggagg cgggtgcgaag aaagatgaag 120
 ctaccttgaa gggtccgtct aaggatccca agaagaagga cgagaaaaag gatgaggatt 180
 tgtctgaaga ggacttgga ctaaagcaga accttgagct ctatgttgag aggggttcagg 240
 15 atcctaattcc ggaattgcag aaggctgccc ttgagagcat gaggcaggaa atccgagctt 300
 caacaagtgc catgacttca gttcccaaac cactaaagtt tctgcgtccc cattatggaa 360
 ctcttaaagc gtttcatgaa acaatggctg attctgatct caaaaagtac ctgtccgata 420
 tcctgtctgt cct 433

20 <210> 98
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

25 <220>
 <221> misc_feature
 <222> (1)...(433)
 <223> n = A,T,C or G

30 <400> 98
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 aaacgtttgt tgtaaaactc agtgctactc cgctatcccc accgtcatct ccgatctcct 120
 cctcttctct cctcgcgcgc cgcacccgc ttcttcatcc accgcggcgg attcgtctct 180
 tactctctcc ggtggttgga cttctttata caaactcgct gtttggtgtc ctggtctctt 240
 35 ccacgctgga attctctctg aaaactccga ttctcggtta gaacgtgagc taggtcccga 300
 tcaaaacctc gatccgaaac ctactacgac ggatctagct cttaacgacg aagaagtttn 360
 naaaccagtt ggatctggnn tagaaacgac ttcgtttttg tctctatatg atgatctcta 420
 cacagatact att 433

40 <210> 99
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

45 <400> 99
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 agaacagtga tcacgcccga atgagtaaag aaattgcgga caagagccac cgactaaggc 120
 aaatgagagg agaggaactt caaggacttg acattgaaga gcttcagcag ctagagaagg 180
 cccttgaaac tggtttgacg cgtgtgattg aaacaaagag tgacaagatt atgagtgaga 240
 50 tcagcgaact tcagaaaaag ggaatgcaat tgatggatga gaacaagcgg ttgaggcagc 300
 aagtatgtgt cttacctctt ctgttgataa caaatccctt tcttttgtct accattaacg 360
 tacacactcc taaatttaaat cccagttgt ctacaacaca tatgtttgat catactgtga 420
 gataaatgaa taa 433

55 <210> 100
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

60 <400> 100

5 tttttttttt ttttttgaca atgaaacctt gacggctttt atttaacaca acaacaaaga 60
acaatacaac aacacacaga caggtcaatc atttgttcaa ggaattattc atgatcttca 120
agattccaat aactgagaag gaagactact aatcagcttc tgtctcaaga aatcctcata 180
agcctcaact atgagatgat catcgtccca cttatcacgg aaagtgtctg attgtgtagc 240
aagtctgtag tatccgccat ttatttcctg atatctccat tgttcaccgg gcggtgcacc 300
10 aatttgctct gctatccaat taaggtaatc aacctgacct ccaccaagtc gatgtgtgta 360
tctcttaggt tgcccgaag cctcacgctt tgcatagtag gcggtaacgt cttccatcat 420
tcggacgcgt gg 432

<210> 101
15 <211> 432
<212> DNA
<213> Arabidopsis thaliana

<400> 101
20 tttttttttt tttttatata aactatcttt ctttcaccga ataatatatg caaacgcaaa 60
catcaaagtt caaaaacca tagaaaagca aaccacccga ttaactaaaa aaaaaaaaaa 120
actcctttct cttttttgtt tttgttttca cttttaagtt tttgcaatga taacaacgat 180
ttagtttgac taaacaacga taagtaatat aacttagttt gaaataaaag aaagtacttt 240
taagagtgtg gtagtcttga gaggaaatca aataacaatc ttcataaagg cttgaactga 300
25 ttagtgctct gctcctcaac aaactcttca ggctgttctg tcatcaagtt cttctccac 360
ttggagttgt acggatcctt aaaactgttc tctcgttctg tgtttccgta cgagtacgat 420
tgctgttctg ag 432

<210> 102
30 <211> 432
<212> DNA
<213> Arabidopsis thaliana

<400> 102
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ttttagataa tgcacacaca aatctcccca cttaatcgaa atcttccaag gctagcttca 120
gcttagagag ccatctcagc ttgtaaggca gcgagttcat ctccctcagc agtaggttgc 180
ttctgagctg gagcacgagc aggcttggtt ccttgaggca catggattgg aacaggetga 240
agaagttgct cttctagctc agcgcttctt agttcgtaa gttctgcttc caattcatcc 300
40 tcatcaaaat cattagcccc aaatggagcc gacaatgctt cttggatctg tttcatgttc 360
tcagtttggt cattgatctc atccattgtc ttgtcaacat catcaatgtt tgttgctttc 420
tgcatagctt tc 432

<210> 103
45 <211> 432
<212> DNA
<213> Arabidopsis thaliana

<400> 103
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aatcgacatt cttgctgttc ttccgcttcc acagatgggtg attttgatta tcattccaca 180
tatgagaggt tcatcgtctt tgaacacgaa gaatatgttg aaattcattg ttttcttcca 240
atatataccg aggtttataa gaatctatcc gctctacaag gaagtgacaa gaacttcagg 300
55 catactcact gagacagctt gggctggagc tgctttcaat ctcttctctt acatgcttgc 360
tagtcatgtg tttggtgctt tctggtattt gttttctatt gaacgcgaaa cagtgtgctg 420
gaaacaagct tg 432

<210> 104
60 <211> 432

5 <212> DNA
<213> Arabidopsis thaliana

<400> 104
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 acatttttct cttgaaacct aagaagtcac cacgattttc tgtaatttcc caaaaacaca 120
 gagtttttga tccatctagc tagatagctt cggatcagc attccttgct tctacaaaat 180
 gatcactcac aatgtagaat tgtcccaggc ggtacctagc gacacaccgt gcttctttat 240
 gatcttcacc gcctcaagaa ggacctcttg ttgtgtattg tatagctcct cttttccctg 300
 agacaaatga agcttcaggc gtcattgaca agctttggcc tggctgtttt aggatcaatt 360
 15 tcaaccttga gaccaatttc acggagttga ggcacatcca cagagccttt aatctccaac 420
 tcagccacta ct 432

<210> 105
 <211> 432
 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 105
 25 ttaactcact gcgctctgct ataattgaaa catttccaga accaaacagg cgactactac 60
 tgcggatgct aaagatgatg cataactatca cctctcattc cagtgagaat cgcattgactt 120
 catctgctgt tgctgcatgc atgtcccatc tgctcttacg tcctctattg gctggagaat 180
 gtgatctaga aggttttgac actctaggag ataactctgc ccagcttctt gctgccgcca 240
 atgctgccaa taatgctcaa gccattgtca cagccctttt ggaagactat gggaatatga 300
 tcaatgatga aggtcttggg agatgctcca cttctactga ttctcatatt ggcgacagt 360
 30 ggcctgagaa ctcaagtgat gaagaggaaa tagtgggtta acatcctgac ttgcatactc 420
 tggatataga ag 432

<210> 106
 <211> 432
 35 <212> DNA
 <213> Arabidopsis thaliana

<400> 106
 40 cgtccgccta aacaaaaaaaa aaatacatTT tctgatctct ctaaaaaatct ttctccttcg 60
 ttaatctcgt gatctctttc tttttctata tatggacaga ggatggctct gtctcactct 120
 tgattcatct tctcttgatc ttttaaacc ctaatcgtatt tctcataaga atcaccgacg 180
 tttctcaaat cttttggcga tgtctagaat tgacgaagaa gatgatcaga agacgagaat 240
 atcaaccaac ggtagtgaat ttaggtttcc ggtgagtctc tcagggtatt gtgatcgtga 300
 agatgaagat ttttcatctg gcgttgctgg agataatgac cgtgaagtcc ccggcgaagt 360
 45 ggatttcttc tccgacaaga aatctagggt ttgtcgtgaa gacgacgaag gatttcgtgt 420
 gaagaaggaa ga 432

<210> 107
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 50 <212> DNA
 <213> Arabidopsis thaliana

<400> 107
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 aagcttcgtc acccaaatct cgtcagaatt cgtgggttct gctggggaga cgacgagaaa 120
 cttctcattt ccgattatgt tcccaatggc agcctcctct gtttcttcac cgccactaag 180
 gcaagetcaa gctcatcttc ttctgtctca ttacaaaacc ctcttacttt tgaagcacgg 240
 ctcaagatag caagaggaat ggctagagga ctatcttaca tcaatgagaa gaaacaagt 300
 cacggtaaca tcaagcccaa taacattctc ttgaacgctg agaatgagcc catcatcacc 360

5 gatttagggc tagaccgcct catgacacca ggcggtgaat ctcacaccac tggaccaagt 420
tcgagctcac cg 432

<210> 108
<211> 432
10 <212> DNA
<213> Arabidopsis thaliana

<220>
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15 <222> (1)...(432)
<223> n = A,T,C or G

<400> 108
20 ccaaattgat atttatctct tctcaacccat ggcgatgaga caagccgcta aggcaacgat 60
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ttctgggtgat agcaaaaaga tttnnnggagt tttctacaag gccaacgaat acgctaccaa 180
gaaccctaac ttccttggct gcgtcgagaa tgcccttagga atccgtgact ggcttgaatc 240
ccaaggacat cagtacatcg tcaactgatga caaggaaggc cctgattgctg aacttgataa 300
acatatcccg gatcttcacg tcctaattctc cactcccttc caccggcgct atgtaactgc 360
25 tgaaagaatc aagaaagcca aaaacttgaa gcttctcttc acagctggta ttggctcgga 420
tcatattgat ct 432

<210> 109
<211> 432
30 <212> DNA
<213> Arabidopsis thaliana

<400> 109
35 ttttgagata aaaacgttat aataagcaac gtgtcgataa tctcatactc ttacaatcac 60
gcaaaagggt cttgaaactg aagcaaagta cttaactttt aagtaataga aagcaaacaa 120
agaagtgatc aggctccata atcaccctgt tcaaacttgt ctccagggta atacactgca 180
acgacttcat ttcctccaaa tttcctacca ttcattccga atcttgccct agtcgagcca 240
tctgtatcgg catacttcaa aaacaccttg ccaaggcctg ccaactggctc accattgggg 300
cttgagcgcg gaatcacaaac attggtcaaa gcacctgcat tttaagagtt aaagaacaaa 360
40 acatttcgaa tacaagacaa gaaaacacag acaaaaacaa gtcagttttt tcttttaaga 420
aatagtggcc ag 432

<210> 110
<211> 432
45 <212> DNA
<213> Arabidopsis thaliana

<400> 110
50 ggcggcgcct gatttagaat gggtttagaga tagaagcagg ttctaagagt attaacaccc 60
aaatacatga aaaaagaaaa cacactccat gattatttct gagctcacia gttgtgaaaa 120
tctctactta gtcactgctg tctgaagagg agagtgaatc tcgaccactt ccttagcctc 180
aatttgcttc tctgcaactg cctccgcctt ggagaagctc ccgaatatct tgtccatggt 240
gtttttgaaa caagtcttgt gttcatccat tgaggcatgt atgaattcat ccatgtgatc 300
cttgagggtt gcaaagaaag tggcgttatc atccttcacc ctcttcctgc atgatgatgc 360
55 aggcacttgc ggttttggcg ggttctcggt ttcgattttc ttggtatcca ccacgggttg 420
atttgcgggc cg 432

<210> 111
<211> 432
60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 111
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 gagacacaca agagtagagt agtctgttgc tcttaggaaa tgtcaatacc gataaaaagac 120
 10 gaaagtcaca agaacacata gattaaagca gagaggaccc atatagtcac ttgctgggtat 180
 cgaggacaca acgaaggcaa gtaccttcgt gcaatagatc gaaagcctta ttgattttctc 240
 ccaaggtcaa gttgtgtgtt atgtattcat ccacttttat ctcttgttgc atgtactttt 300
 ctacaagcca aggcacttgg gttcgactct tgaaaccacc aaaagctgtt cctttccaca 360
 cacggccagt cacgagttgg aacggacgag ttgatattctc ttgtcctgat gctgcaacac 420
 15 caactatgac cg 432

<210> 112
 <211> 432
 <212> DNA

20 <213> Arabidopsis thaliana

<400> 112
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 ttgtttgtgg gtcttctcaa accgctgcaa catgttgctt gaagtccttc tggattattat 120
 25 gacaaaaatc ctcaataaat atgaaaatta cacaaatgtc atcaaatac ttgctaattgg 180
 tttggtccgg atcaggtggg agtaatgttg agcttgttga ccagtagcc aagttgctca 240
 gcaacacagt ttgatcctgt tgacccatag gaactgaact tattgactga attttcaacc 300
 cccaaaaatc caaacacatc ttcttcaaac acagggctca gctttttcat ctcttcaaga 360
 cttaagttct gaagttcaca gccttttgag acgcaaaactc caactagttt tccaactatg 420
 30 tcatgagatg ac 432

<210> 113
 <211> 432
 <212> DNA

35 <213> Arabidopsis thaliana

<400> 113
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 aagacactca cacacaaaaa gtttaaccaa aacaagtcaa gaacgtaatt ccataagct 120
 40 actggaaagt tgacttgttt atggacgac aagccatata aaacactctg ccttgttctg 180
 attgcttgac tagcttcata ggtttgactc gtgcgatata tactctcaag aacaaaccca 240
 ggagaagaga agcttttaaa aaaaaactct ttaccgatat cttgtaccag agctctgtcc 300
 ttgagttctt gtagatggat ggttattgct cgttttgcca tactttgcca attcgttatt 360
 agcatgggaa agaagcttct gagcgttttc cagtctcttg gtataatcag tatcagcaag 420
 45 tttaaatgac gc 432

<210> 114
 <211> 432
 <212> DNA

50 <213> Arabidopsis thaliana

<400> 114
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 55 aaaaaaagag aaatgatga gttcgtagag ttttttatca gaaacatctt ctggtgtttg 180
 ttgtttttta ctctccttct tttttcttct atatgaccaa agtagtaagt actaagcatc 240
 atcttcctta accctagaac ttgaacctga cgtcatacca atcacttgtg tatgcgtaaa 300
 tctttgcaac tgtatcattc gcgcgtagat tccatcagga tggttcttga gaagatgcga 360
 atgcgatcct tgttcagcca cttttccatc atcgatgaca gcgatcacgt gtgcgttcct 420
 60 gcggacgcgt gg 432

5
 <210> 115
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

10
 <400> 115
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 ctgcttgaga tcggcatgtt ccgattcttc tcctgctctt gtatcctcga cgcgtgtatc 120
 gttcccggcg aagatttcat atctctccgg tatatcttcg caccgtggcg atgaaatggg 180
 15 taagagaatg gaaggattcg ttagaagcgt cgatgggaag atctctgatg cgtctttctc 240
 cgaagcttca tctgcgactc caaaatcgaa ggtgaggaag cacacaattt cagtatttgt 300
 tggagacgaa agcggaatga ttaataggat tgcaggagtg tttgcaagga gaggatacaa 360
 tattgagagt cttgctgttg gtctgaacag agacaaggct ctattcacca tagttgtctg 420
 tggaactgaa ag 432

20
 <210> 116
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

25
 <220>
 <221> misc_feature
 <222> (1)...(432)
 <223> n = A,T,C or G

30
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 ttacaaccat cgacccaaaag gcttacaag tccaaagtgc ttaagttcct tagctaattc 120
 tcacacaaga aacaaaaaaa gaagactaat aagaaccaga aacatagatg agaaacatat 180
 35 atcctacgat aaannncaaa agaggcatta catctccatt aaacctaaac aatccaagtc 240
 cttctttctta gatagtttca gcaatcacag aagccacctc cttcaaaaaca tctatcttct 300
 gcgacaacaa ctcaagttcc ttagcctcca ccatcttcat cttctcttca atcctcttct 360
 tagtctcctt agacacctta ctccatttcc acttcacaat acactcatcc acaccaagcc 420
 tcgcaacaac cc 432

40
 <210> 117
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

45
 <220>
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 <222> (1)...(432)
 <223> n = A,T,C or G

50
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 caattaaag ttcaaaggta tttttttttt ttggattaca acattaacct atggagtctg 120
 tagccatttt ttaatttaac ttttggccca aataatactt ctgccaaagtc tatacaagaa 180
 55 caaaaacttg aactctgtta gagcggtag aaatgtcttg atttgaagct gcataatctg 240
 tactggttta ctctgtctgg tcaactgacac ggaatagctc gatgagcgtg nntcggattt 300
 tgattctcag agcagaggct tcatcggttc taaaccactt cttgtcgnnn attcccaggt 360
 ctttcttttt cagcctttga ggcgcctctt caatgaaccg tttaatgaag aagagcacia 420
 acggaccaca at 432

60

5 <210> 118
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(432)
 <223> n = A,T,C or G

15 <400> 118
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 tctcttgggt tgaagccaaa gaaggaaatg ataatatata catacacaca cacacacaca 120
 aaaatcaaag aaggaagttt tataggatta tatatatagc tagagagtct catttcttgt 180
 atgtttctgt ttaatcttct cttttgtctc ctttttttat cagtatatgt ctgtatgtat 240
 20 ttatatatat agatctgaat atagtgtgtc gatttctaac ttatttcgcc tcttcttatt 300
 ctttngnttt ttgctttaag tttnnnttt tgtgtgatga tgaacaaaga catgttactt 360
 caccagcatc agcaaccaca acaagacgag aatatgtcga atctaaccatc agcttcggg 420
 gatcaagcaa gt 432

25 <210> 119
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

30 <220>
 <221> misc_feature
 <222> (1)...(432)
 <223> n = A,T,C or G

35 <400> 119
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 tttagttaca cccaaatata caaataataa aaaaagaaaa gagattatga cacaccatta 120
 cttactttta tcacaacata aataactata taagaattta tttatcaaag gagctttaat 180
 tacaaagctc aattcacaag tccagggtcg aaactaacgc ccgttgacgg caaccatata 240
 40 ttcccgtaaa taaaactcgc cacagtgaat ttttccgett ccgtcacctg caaagacgga 300
 tgacacccac tccatttaac ccgacccgaa anngatgatc caggacccga attnnccatat 360
 tctccgtaaa acagagattt gagaccgaaa ccacccgacc aaggagacca acccgacgga 420
 tgaatcgacc cg 432

45 <210> 120
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

50 <220>
 <221> misc_feature
 <222> (1)...(432)
 <223> n = A,T,C or G

55 <400> 120
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 tttnnngtaa aaagcaacct caaaggctcag aagtaaaatt attgagattt tacagcacag 120
 ttttggtaaa tattaaagca caccgcatca gagattctgc aacacaaaca agaaataaca 180
 tcaactaaaa ccagacacac attggcacta atttctacgc tctctctctc tctaaaccga 240
 60 agataagaga ttctctgcag acaagacaat atagaatatt aattgnnntc tctctctcac 300

5 cctctctctt tctctttctc tctctcccta ttaggtttca ttgaatctaa aacggaaaat 360
 cctcgggatt acttgccagt aaagaaaggg tttacatata gttgaattgg tccgaaactg 420
 aggcgatgat ta 432

<210> 121
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<400> 121
 15 ctcttttgga acaaaccgca attgagccga gttcgtgtag cgtgttcttc ttctcaatct 60
 gactcaagac ctgagaagaa gcaatcggat aagagtaact atgctcgagc tgagctgttc 120
 cgtgggaaat caggttctgt ttctttcaat ggtctgactc atcagctggg tgaagaaagt 180
 aaactggttt cagctccgtt tcaagaagag aaaggttctt tcttggtggg tttggctcct 240
 gttgttttga ttcttcgtt gattcttcct cagttcttct taagtgggtat cattgaagct 300
 20 accttcaaaa acgacactgt tgctgaaatt gttacttctt tttgctttga gacgggtgtt 360
 tatgctgggtc ttgcgatatt cctgtctgtg actgaccgag tgcagaggcc gtacttagac 420
 ttcagctcca ag 432

<210> 122
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(432)
 <223> n = A,T,C or G

<400> 122
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 ggtaagattg ctagggtttt gtttggaag agatgagagg atacttgtct atgagtttgt 120
 tcccaacaaa agtctcgact acttcatttt tggtcagtta tgttcaatat ttagcctaag 180
 ataaattttt taaaaattgc ataccattca ttgtttctaa cattgtaaat tcatatgnnn 240
 ngactctacc atgcaaagcc ttctggactg gactagacgg taaaaaatc attggaggaa 300
 40 ttgctagagg gattctttat cttcatcaag attcacgact cacaatcata catcgtgatc 360
 tcaaagaagg taatatcctc cttgatgatg atatgaatgc aaaaatcgcc gactttggaa 420
 tggcgagaat tt 432

<210> 123
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<400> 123
 50 acatccattc atgggaagca tttgacaagg gacaggacat gcatatgcaa gcggtctcctt 60
 cccaagctga attgctctat aagagctttc aggttgcaaa ggagaaactg aaatctcaga 120
 caaaggacac aatcatggac aagtacggga atgcagctac agaagatgaa attccaatgg 180
 agcttttact tgggcaaagc gaaaggcaag ttgagtatga ccgagcaggg aggattataa 240
 aaggacagga ggtgatattg ccaaagagta aatatgaaga agatgttcat gctaacaatc 300
 55 acactagtgt gtggggatca tattggaaag atcatcaatg gggatataaa tgttgccagc 360
 agatcattcg caatagttac tgcacaggtt ctgctggaat tgaagctgca gaggctgccc 420
 ttgatctgat ga 432

<210> 124
 <211> 432

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5  <212> DNA
   <213> Arabidopsis thaliana

   <400> 124
10  gtcttgaaat ggagagttac ttaacgaaat ggtgtgtagt gcttgtgttg ttgtgtttcg      60
   ggttttagtgt agtaaaagca caagcacaag ctcaagttcc atgtttcttt gtttttggtg      120
   actctttggt tgacaatgga aacaacaacg gtcttatttc tattgcaaga tccaattact      180
   tcccttacgg tatcgatttc ggcgcccta cggcgcttt ctccaacggc aagactactg      240
   ttgatgtgat cgctgagcta cttggattta atggctacat tcctgcgtac aatactgtga      300
   gtggtcggca aatactctcc ggagttaact acgcttcgcg agctgctgga atccgagaag      360
15  aaaccggtcg acaattggga caaaggataa gcttttagtg acaagttagg aactaccaga      420
   ccacagtatc gc                                                              432

   <210> 125
   <211> 432
20  <212> DNA
   <213> Arabidopsis thaliana

   <220>
   <221> misc_feature
25  <222> (1) ... (432)
   <223> n = A,T,C or G

   <400> 125
30  ttaaactcac tatcttccca atttgatgat tcagtgattc aaattcgaaa cttcaagcaa      60
   tgttatcgac attgcaaccg ccgcgttctc tactactcct ccctctacgc cggttccaaa      120
   tatctaaaac catcgtctcc gcagcttctt cgaagaccat cgacacttcc gttatctctc      180
   caccacaatc tcaaattctc accactcgtc gttcactcct ctccggcgaa accacagctg      240
   tcgaaatcgc aaaatcttac ctttctcgta tccgtctcac tgaacctcag ctcaaagtct      300
   tccttcacgt atcggagaat gttctcaaag atgctcaaga gattgatcaa cgaatcgcta      360
35  aaggtganna attgggtcct ctcgccggag ttttgatcgg cgtaaggat aatatatgta      420
   ctcaaggtat gc                                                              432

   <210> 126
   <211> 431
40  <212> DNA
   <213> Arabidopsis thaliana

   <400> 126
45  tcgagcggcc gcccggcagg tacacaactt ttgtaaaaat cggcgtaatc atgttctagc      60
   tcgtagaaaac tattcaaaac aactcccgag ctcttcactt ccgattccct aacttcagtc      120
   ataaaactttc ccatgtcgga ttctccatcg ccatctatga tctgttcttc agttatcaca      180
   atgttcccag ggagctcggg aatcacaaat ggctcagagc ttgaagccac tctcttctgt      240
   ggtttatgca ctccgatgca ataaccagcg cataaagaga agtagccagt gccgtggaac      300
   acaagtcttg gcacattgaa cttctcagca acttttagtg accaaggga gaacatgtta      360
50  ccgacaagac agtctggtct cattgtcacg aggagctcct ctagtggctc ttcgaaatat      420
   ttcattgcga g                                                              431

   <210> 127
   <211> 431
55  <212> DNA
   <213> Arabidopsis thaliana

   <400> 127
60  agcggccgcc cgggcagggt caactatcaa tcgaatcaga cattgacgag gagctttggt      60
   cgtaatccga ggaagagatt aaaatcgga agtgcgaaaa tgccgggtcat ggagaaattg      120

```


5

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<400> 131
tctattat ac ggaggacgaa gaagatgtat gagcagcagc aacatttcat ggatttgcaa      60
agcgattctg gggttgggga cgatagctcc tggctcgccg gcgatgacga tcttcgtctc      120
tctcctcacc aatctgccgc cggtagcaac tccggcaatg agaattctaga tcgtcgtctc      180
10 ttaaaagatc tcgttgagat ggttccccctt atcgagcatt acatggaaca taaagaaagg      240
agttcgttta agcggcgtgg ttccatgata tacaactaaga tgccttcaaa agaatccttg      300
tcccgaaggg gaagaaatgc ttctcaaaac gtcccaggaa gaaagaagag agaccaagag      360
ggaaatgacg atgttatgaa caattctagg gaagatgatg aaaacgcaaa ggctttggct      420
ggtgcagaaa a                                     431
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15

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<210> 132
<211> 431
<212> DNA
<213> Arabidopsis thaliana
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20

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<400> 132
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aatcggcgca cactcacaca tcagaggact aggtctcgac tctgccctcg agccgcgagc      120
tggttccgaa ggtatggtcg gtcaagtgaag ggcgcgtaaa gccgcgggtg taatccttca      180
25 gatgattaga gaagggaaaa tcgcggggtcg ggctattcta atagcgggtc aaccgcgaac      240
gggtaagaca gcgattgcaa tgggtatggc gaaatctctt ggcttggaag ctctcttttg      300
gatgattgca ggaagtgaag ttttctcatt agagatgtca aagacagaag ctttgactca      360
gtcttttcgt aaagcgattg gtgttaggat caaagaagag acagaggtta ttgaaggaga      420
agttgttgag g                                     431
```

30

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<210> 133
<211> 431
<212> DNA
<213> Arabidopsis thaliana
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35

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<220>
<221> misc_feature
<222> (1) ... (431)
<223> n = A,T,C or G
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40

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ggatctgaat gtgatcgatg tcgctgattt gcctctcact gctgcggagg gaccggggag      180
45 tgttgaacgg aagttcgat tcccgaatat acttgccgat ggtggcccta ctgtcgacga      240
tttaggtcat catgctgggt attacaagct cccgaaatct cgtggcgcaa gcatgttcta      300
cttcttcttc gagtcacgga acnnaagga tgctctgtt gtgatttggg tgacgggagg      360
gcctggatgt agtagtgagt tggctgtgtt ctatgagaat ggtcctttca agatcactag      420
taacatgtct c                                     431
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50

```
<210> 134
<211> 431
<212> DNA
<213> Arabidopsis thaliana
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55

```
<400> 134
ctctttctcc tctcctcct ccattgaaga agaaacctac cttcgtaata tttcctcaat      60
tacgatcatg gggaatgtta aagggtcaac caaaaaatcg aatcttgatc gattccttca      120
ttgcataaca cccttagtgc caccccaatc tctcccaag acggagatta gaaccctaaa      180
60 tcgattgtgg catccatggg agagacaaaa ggttgagttt ttcaggttga gtgatttgtg      240
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5 ggattgttat gatgaatgga gcgcttatgg agctagcggt cctattcatg ttaccaacgg 300
agaatctctt gttcaatact atgttcctta tctctctgcc atccagattt tcacctctca 360
ttctctcttg atccgcttaa gggaagagtc tgaagatggg gaatgtgagg gtagagatcc 420
gtttagcgat t 431

10 <210> 135
<211> 431
<212> DNA
<213> Arabidopsis thaliana

15 <400> 135
aaaaaaattt ggcaaagcag ttaagttcaa caagagaata gtactttggg taaaggaata 60
taagttgtaa atattacaga aaaagaaaaa acgtaaaaca aacctacaaa taaacacaca 120
cagaggctac aatacatgac cacaaaagct tctggaggag cttctttctg cctattattc 180
ttccaacat ggtgggttaga acaagtatgt atcactaacc ctacaagtct cacattttta 240
20 ccacatatac accacagcaa tccagagacc accaattttt gaggacaatc accgcaattt 300
cttctacatt acggcatacg gcaaacctat attgctgtcc tcgagattga cttacccact 360
ttactcttcc aagctccaag agtctcattg tcagaagtct cagcattctc ttcagcttct 420
cggacgcgtg g 431

25 <210> 136
<211> 431
<212> DNA
<213> Arabidopsis thaliana

30 <400> 136
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aagtcaacga tatccaccac atcatggagc agagagttgg agttcacaac tctacagttc 180
aatctgattt gtccttgagt tctgtagtt ggtgtaatgt ttcccatcct attcattgcc 240
35 tccacaaatg cattgaagaa tgtttgtgtg ccatcagcat atgctctcac caaggggatt 300
gtgtcagtggt cattggggct agagaacaac tcttggtcgc tctggataag accttttcgc 360
tctttgagat tcacgtagta tttgttgctg aaaaccgtag gcgtacgtag atcaaaaatct 420
accaaggcac t 431

40 <210> 137
<211> 431
<212> DNA
<213> Arabidopsis thaliana

45 <400> 137
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atagtacaat gagaagaaac gttttggatc actgagcata gcaagagcca ggtcccaagg 180
ggggtcttcg tgcgtaaaag ttatccactg gagccgctgg aacgccacgg ttattcagta 240
50 gacatctgaa gtagtgtaga cgtggcaatg cggttaacgt tatgttcccc ttgacacgg 300
cctctctggt gctccacatc cgttctgcag ctgctgcagc acgaggccaa atggtctgaa 360
ggacaacgga tgtatcagct gtttcacccc acatgcaaac ttctcctccg atgacaagct 420
tttgagagaa a 431

55 <210> 138
<211> 431
<212> DNA
<213> Arabidopsis thaliana

60 <400> 138

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 tgctccaatt tactcctcaa cgtttcacaa acccttaatc ctctcttcaa cgccaacacg 180
 aacaacaaca aacctaatat attctctgct ctcaattcgt ttctgtgatca agctaagcaa 240
 gcttttagatt ctagaatctc tcgattcaat tctggtaagg cacctgtctg ggcgagaatt 300
 10 tctgacgacg gtgggtgggtgc gagggctcag gtgacggttc cgattcgcgg aagcgggaaa 360
 ggattatctg ctgatgctat tgaggagaga ttggcgggag ttctgttcta cgcgttgagt 420
 aattcgaatg a 431

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 15 <211> 431
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 <213> Arabidopsis thaliana

<400> 139
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 catccctttc ccctgctact cagcttggtt ctagcagaag tgctttgatg gcgatgtcaa 180
 gtgggttggt tgtgaagcca acgaagatga atcatcaaat ggtagaaaaa gagaagattg 240
 gattgagaat tgcttgtcaa gcgtcgagta ttccagcaga cagagttcca gatatggaaa 300
 25 agaggaagac tttgaatctt cttcttcttg gggctctttc tctacctact ggctacatgc 360
 ttgtccctta cgctacctt tttgttcctc ctggaaccgg aggtggaggt ggtggtacct 420
 cggccgcgac c 431

<210> 140
 30 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 35 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

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 tggagcgaag tggcaagttt gttgtggagg gaaagaagat tagtcttgta tcaagcaaga 180
 agtgagcgag aatttttgggt tgggaattatc attatacttg cataggaaag tggagattag 240
 gacaagtttt gttactaaat catcacaatg ccatatgtaa acaaagatca tacttcagtt 300
 45 tggaaaattt tgatttgatt gtaatctatt tttacattct attagagttt gcataaaaact 360
 tcaccctaata agtttactct cttatatttg gaaccaatat aaagcaaacg catctttatt 420
 ggtggaagac c 431

<210> 141
 50 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<400> 141
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 attacacacc acgaaggttc ttgcaagaca tcatcatttg agatcccat gaaaaaagaa 120
 ggaaggagaa gaaagtacag atgtgggttac acaagtagat atatgatatc tottataatg 180
 gttgtacaaa cacaggtcac aagtttagac caacaaacaa tgtcactgca ccaatcccag 240
 tcagtcagac ccgggttttt tgggatacct ttagtttacc aagacagggt attttggttt 300
 60 ctcaacttca aagcaatctg aaaacaatat tagacaatct cccagtcttc tctcgacatg 360

5 tcgacaaaact cggtaacacc atcctcgaac atcaccgagt gctttcttga atactcatca 420
 aaatgtctaa c 431

<210> 142

<211> 431

10 <212> DNA

<213> Arabidopsis thaliana

<400> 142

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 ggcttgctcg tctggtcaca agataaccag acgacttggt atacatataa caacacaaaa 180
 tagcgatgaa atccaacgtg aggattttca agcttcgctg agagcgagga ctccctggaag 240
 tggcttacc tcaagaagct ccaaaactagc accgcctccg gtagagatgt ggctcatctt 300
 gtctgcaaaa ccaaccttct cgacggcagc aacagagtca cctcctccaa tgattgtggg 360
 20 tactcccttt ccgcttagtt ctgcaagctg ctttgctacg gcctcagttc cagcagcaaa 420
 cttatcgaat t 431

<210> 143

<211> 431

25 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

30 <222> (1)...(431)

<223> n = A,T,C or G

<400> 143

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 agagaacgca tatccatttg cgtgaaaagt gaaaactagg actcatcacc gatgattttc 180
 gagcaagatg gtgttttctg tgtgtttcag ggcttctcaa ggaaatggtg tgcgacgata 240
 cggcgctgaa tcttaccaga ggcagttttg gggagggttat cagtgatgaa cactctcttt 300
 ggcaccttga aagctgccaa attcttctta caaaacgctt taatgtcctc ttcggttaca 360
 40 gtagttcctt ctcttggaat caccgcacag ttaatctctt ccccatattt ctcacagga 420
 acaccgaatg c 431

<210> 144

<211> 431

45 <212> DNA

<213> Arabidopsis thaliana

<400> 144

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 50 cccctttttt tttaatatgt atctgtatta aaagcacaaa gcggaagcta tcaatagatc 120
 agttttttta caatggaaac taatctctct ctgtgctgcc tcatttctct gctgaatgta 180
 tcaagtttca aagccaagaa aatatctatc tgtgtatgtc ttcactcttc accaacccta 240
 ctcttggtggc ggtgttagaa cccactgttc ttcagactcg ttaccattaa ctacacagc 300
 accatccgta gagtcagcgt ccaccacaac agcctcttct tccacattct gctgtctccc 360
 55 atcactactc tcttcctgac gatcctctc ctctctctcc tctccatctt cccctctctc 420
 cccaacctcg t 431

<210> 145

<211> 431

60 <212> DNA

5 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(431)

10 <223> n = A,T,C or G

<400> 145

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cctcctaatt cagagacgac aaaacgctat aaacaacatt tttacagttt ggaggaggaa 120
15 ggagaaatga taggtttatt aactgagagt agcagcagtc atatgggtgt aaatgtggat 180
gggttgatgc gtccgatacc gatgtctccg gttaatgcgg aggttgagga gatgagatca 240
gagtcgccgg tgggttaatga taaggcggtta gatatttctg atgatgatca tgatgatgag 300
aatgaaccgc ttattgtttc tgggtgaatgt cgtattnnnn ctgatgagtc tcctgttgag 360
aatcttgaga gcccttggtgc ttgcagtggc agcctaaagt atgctcatag aaaatgtgtt 420
20 cagcgttggt g 431

<210> 146

<211> 431

<212> DNA

25 <213> Arabidopsis thaliana

<400> 146

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30 ttgaagcagg ttccttttgc ccgctcatca ctgaatcatg atgatgtatt tatcttggac 180
accgaggaaa agatctatca gttcaatggt gcaaattcaa acattcagga gagagccaaa 240
gctttggaag tcgttcagta tttaaaagac aagtatcacg aaggaaactg tgatgttgcg 300
attgttgatg acggaaaatt agatacagaa tcagattctg gtgcattttg ggtcctcttt 360
ggtggttttg ctccaatcgg aaggaaaagt gccaatgatg atgacattgt cccggagtca 420
35 actccaccta a 431

<210> 147

<211> 431

<212> DNA

40 <213> Arabidopsis thaliana

<400> 147

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45 agagttgaat tttgattttc ggctgtttat atggtctccg gtcccttagg gttttaattc 180
ttctgcagat ctctcacgat gagcgttgcg aaatcccaag tatggcagcc atgcaagaag 240
aagaggtcct cctcctgatt caatagagat ctatctatat atatataaga gaccgagata 300
tatatataga gagagagatg gcttctcgaa caacgccttc acgatcgact ccttcacgat 360
caacgccttc tggtagttct tctggtggta ggacacgagt tggtaagtat gagcttggac 420
50 gaactttggg t 431

<210> 148

<211> 431

<212> DNA

55 <213> Arabidopsis thaliana

<400> 148

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60 gtttttggca ataatctttt aagaaatggg aaagcttttg tgtgattcaa cggcgacatt 180


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5  tcaatctcct tcaccaacgg ttccttggag agaaccttct acagtcgcgc tgtctctcga      240
   agatgtagat cttgttgacc aatccgcggc tgctgcggcg gtggacgcgc ttgagaagac      300
   aatggcgcgc gcaactacca ccgcttggga tgaggttttt ggattggagg aggcgcaaag      360
   acggcatctg agccggctac acgcgagagg tgtgttgtgg aaacatcctg gtaaagatga      420
   atcctctgct t                                     431

10  <210> 149
    <211> 430
    <212> DNA
    <213> Arabidopsis thaliana

15  <400> 149
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    caagagatcg aaattacaaa gcagaataca aatgtaaaga atatataatc tcgaatgaat      120
    catgtctctt ctttatgggtg tgtatcaatc cactcactca ctatacacta aagaatcttg      180
20  tgaattatca atattcaagc agcagcagca actttctttc cccctgctt gtagtaacca      240
    agataccatc tcacaaactt ctttagacca gtctgcaaat ccgtgcttgg tttgtaccca      300
    aactctctct gtgcogaact gatattagca tgtgtgaagg gcacatcacc attcctcggc      360
    agcttcatca tgttctctt ggcttttact ttcaacaatc tctccaatat actcacaaga      420
    tccgtcaccg                                     430

25  <210> 150
    <211> 430
    <212> DNA
    <213> Arabidopsis thaliana

30  <400> 150
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    acacgaaacg aaacgaaacc agaaagacat gttcctaaat taccaaaca ccccttcgtc      120
    tcttacatac accattttct gatgatcaag aagcaaattc atgaatccgt aagccacaca      180
35  ataataatat taataatcat tcactaatat ataaattaaa agatgaaaaa aaaacgtaaa      240
    aaaaaaaatt gaggttcaga ttttgatttg aggagaggaa taatctctct gatcttcttt      300
    tacaacacat caccaaatca aatccatgtc tctccgacca atctctcttc cgatcggagc      360
    ttttgaacca ccacaagttt ttcaacggtt gagatcgaat ttttaatttt ttaaactttg      420
    accatttttcg                                     430

40  <210> 151
    <211> 430
    <212> DNA
    <213> Arabidopsis thaliana

45  <220>
    <221> misc_feature
    <222> (1)...(430)
    <223> n = A,T,C or G

50  <400> 151
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    aaccacccaa acaactgaga cactaaagct cacatgttta tttctctgta aaatgactct      120
    atcgtgtgaa taagaagact tgatcaaggc tttcataagg tctgaatgtc agaatcattc      180
55  aaacatgaag gcgcaatttt taccggctga agcataaatc ccgctttcct gcattcttct      240
    tccagaagct tcacctgaga tggaccttca gggcagaaaa ccaccactgc tcctccactt      300
    ccagtgaact ttgaagctgc accaaccctc cttgctactt ccaccatctc tatgttcatt      360
    gctnnnnagc attcatcccc aaacatccgc ctccgaatgt cgaaattaag gttcatgagt      420
    tccccagtt                                     430

60

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5 <210> 152
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 152
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 aagatgatgc gtcttccttc aacctataca acgtgatttc ttgctgcttg aagtatcggc 180
 gatcctcttc atctaccagt acaagattca gataatactt gacgctgaat ttgttggtga 240
 15 tgttgcgatg cgttggtgta agatcatatg gggccagaaa cagtcttaca ggtatcgatt 300
 cacctctaac tggagttcca tccatcaact caaattttgc aagagtttct gtctcgacat 360
 gagtattagc acctgcacct gttgattccc gccgtctgat ctcaagatcc atattcttca 420
 tcttgattct 430

20 <210> 153
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

25 <220>
 <221> misc_feature
 <222> (1)...(430)
 <223> n = A,T,C or G

30 <400> 153
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 aaagtgtgtg aggaatgtgg gtttacatca ctctccatcc gagttgttga ggagttagtg 120
 acctttagtc cttgccctcc ccttaaacc cagaaaattt caaatgctgg gaagcatctc 180
 tctgctgcag agtttcatc ggtcctgcag agtgccaatg ggaagtctga gaataaggaa 240
 35 cttgttttgc ttgacgcgag gaacctgtac gagacacgga ttggaaaatt cgaatcnna 300
 aatgtggaga cccttgatcc tgaaatcagg caatatagcg atttgccaac ctggattgat 360
 cagaatgccg agaaaatgaa gggcaaaaac gtgctcatgt actgcactgg tggaatcaga 420
 tgtgaaatgg 430

40 <210> 154
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
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 <222> (1)...(430)
 <223> n = A,T,C or G

50 <400> 154
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 ggcattccaaa tgttatccag tttgttggag ctgtcactca gaatataccg atgatgattg 120
 tagtcgagta taatccgaaa ggagatttaa gtgtatatct ccaaaagaaa ggacgtcttt 180
 ctccatccaa ggcacttaga tttgtctctg atattgccag aggcattgaac tacttccatg 240
 55 aatnnnaacc ngatccaatc attcactgtg atctaaagcc aaagtgtcag aaatattttg 300
 ctggatagag gagggcaatt aaagatctca ggatttggtg tgataagatt gtcgaaaatt 360
 tcacaagaca aggcgaaagt agcaaaccac aaagcacata tagatctctc taattactac 420
 attgcaccag 430

60 <210> 155

5 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<400> 155

10 gccattaaat ggggtactga ttatttcate aaagcccatc ctgagcccaa cgctcctttac 60
 ggcgagggtt gagatggcaa caccgaccat tactgttggc agagaccgga agaaatgacg 120
 acggaccgga aagcttacag gatagatccg agtaatcccg ggtcggatct tgccggagaa 180
 acagcagccg ccatggccgc cgcacaaatt gttttccgcc gatctaaccg tgtttactct 240
 aggctactac tcaactcacg ctatcagttg tttgatttcg ccgacaaata cagaggaaaa 300
 15 tacgacagca gtatcactgt tgcccagaaa tactaccgat ccgtcagcgg ttacaatgac 360
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 tacttgggtc 430

<210> 156

20 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<400> 156

25 cgcccgcgga aacagtttta gccctgctag aacgagctca cgctggacaa gaactagtcg 60
 tagttcgtca ttgcagtctc ctgacagctt aggtgtagac aatttgttgg ctttagtgcc 120
 agtacaaaca aatgagactg attctggttc ccttgagtca ggaccaggtt ggcattttct 180
 tcgcggggctt tacggtaata atcgaaaaag ctggaccaa gtttctgcta agaaggctgt 240
 acttcagtggt gtttcgaggc tgcgaggctc gcattcagaa actgtaatct atctggatag 300
 30 gaaacggagt gactctggtt gtgatgaaga ttgctcttct agtattgatg gtgaagatgt 360
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 aaacaacatt 430

<210> 157

35 <211> 430
 <212> DNA
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<220>

40 <221> misc_feature
 <222> (1)...(430)
 <223> n = A,T,C or G

<400> 157

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 tcgttatata ggagaagcgg aggagattcc tttcgtttat tctcttcccc gtttcccttt 180
 taacagagga aaaagaccag ctcctagctt ttccgatatt ggagtagagc caccagatga 240
 gcatattcct gtttggcttc ctgcgtttcc tgaaaccaag atgtctaacg ggtcagagga 300
 50 gattaatgtt gacaaaatag aaagggatgt gcagagtaga gataatggat catctttgat 360
 gagtgtgcag nnntctgtcg atgttgatag gttaaaagtt cagaaatcca tggatcaaaa 420
 ggatgttcag 430

<210> 158

55 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<400> 158

5 ccacgcgtcc ggtgagagac ccgggtgaga gatccggaag aaggtcaaga tcgccggcga 60
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agaataatca gtctccgggt cgggttagac tagatccggc taaaaacggg ttggatcagc 180
aacagcatca gaattacggg tataccacag aggaattgtt agagaacccg cttgtttcgt 240
tagagtgttt catatttctt tgaaaaagaa gaatatttcg atgggaataa tgtcttctca 300
10 tttgacgttg gattcataat tcgtaaagct acttacttaa ttacgttacc tctgtaattc 360
atttctgtgt tgtatttgct gatttaaagt tataattcgg ttgaatgatg taaaaaaaaa 420
aaaaaaaaa 430

<210> 159
15 <211> 430
<212> DNA
<213> Arabidopsis thaliana

<400> 159
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ttgccggcga tcgcgccatg gtgtacatcg gctcacatta ccgctgcacc tcatggatca 180
ctcaaaggaa acttgacgat cgtcgaatgag cgtacgggga agaaatatca ggtccctgtc 240
tcagagcatg gtaccgttaa agccgttgat ctcaagaaga taacgacggg gaaggatgat 300
25 aaggggctga agttgtacga tcctggttac ttgaacacgg ctccggttcg atcttcgatt 360
tgttacatcg acggagatga aggaatctta cgttatcggg gatacccaat tgaagagttg 420
gctgagagca 430

<210> 160
30 <211> 430
<212> DNA
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<400> 160
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caatgggttt ttcttctaag agtgcgaaaa atggttcata aacattctac aatgtgaaaa 180
agcccaaaga gaggaaggat tttaaaccctt acggttcctaa tcacctccat ttttcgctta 240
gttttttctt ctctgaaagg acccatgtga tgtagatggc tgcaacaagt gctacaatcg 300
40 tgatcaggag aagagcgtag ctgaaatcgt cgggttagtg gtctgtagtc tttgaaggag 360
caagccttgt gtgaagaga tccactccat aggcacaagac gtgtgttgtt gactctagct 420
tggacgggagc 430

<210> 161
45 <211> 430
<212> DNA
<213> Arabidopsis thaliana

<220>
50 <221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 161
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cgaattcagt ggacccaag acagtatata tgaggagggt gtgtggaaga taagagttga 180
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60 cccgatgttc gacctggtga atgtgttcga gacatttctt ccgcaacttc ttctgtatcc 360

5 gaatccgtca gatccattga atgggtgaage agctgcattg atgatgcgtg atcgctcctac 420
ctatgaacag 430

<210> 162
<211> 430

10 <212> DNA
<213> Arabidopsis thaliana

<400> 162
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gcctgatttg tgtttcttcc ctcaatacgt tgctaagacc ttacaaacac cgtttttcgt 180
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taaaagcaaa gcatggaaga cttgtaagct tgatcttaag aagtgtacgg ccgctcagct 300
tcaaaccgtt caaggatata gagaccaagt gttggctgcg ttggcgctg ttcgatccgc 360
20 gacgacgaac ggattgttct tggactcgtg ccatgctcat tgccaagggtg gaagcgctgc 420
cacttggtcc 430

<210> 163
<211> 430

25 <212> DNA
<213> Arabidopsis thaliana

<400> 163
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30 ctgattccta gtattatggt aaactgaaaa caatttttac ttatttagtt tcctttgagt 120
gcttcacatc gtatactacc tccaccatct cttcattcat tcattgatgt cgcaccgtcg 180
gagataaggg ttgtcgtact caacgtaact ggaccagtac ggtttgtact tggcgaatgc 240
taaaccacgc catggcttgt agttcccatt gtaatgcact accgctgcat tctctattgc 300
tgttttggtt agcgctgggt catatcccag ccctagtacg tgccagctcc tatccattgc 360
35 atacgtcagg ttgtaaaatg ttatcagccc cgggtggcaac gatcccaccc acgcgtccgc 420
ggacgcgtgg 430

<210> 164
<211> 430

40 <212> DNA
<213> Arabidopsis thaliana

<220>
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45 <222> (1)...(430)
<223> n = A,T,C or G

<400> 164
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50 aaacagttct tagcagagtt ggaaaaggct tcttctggta tagaggcaca ttctgatgaa 120
gcaaacattt ctaacaatat gtcagatagg attgatggcc agattgtcac cgattctgac 180
gaggatgtag acacagagga tgaagggtgag gagaaaatgt ttgatactgc agctttggct 240
gcgcttttga aggcagccac tgggtggtgga agttcagaag gtggcaattt taccataaca 300
tctcaggatg gcacgaagct tttctctatg gatcgacctg ctggtttgag ttcacgttta 360
55 aggnnnttga agcctgcagc agctccacgt gcaaaccgtt ccaacatctt ttccaattct 420
aatgtcaca 430

<210> 165
<211> 430

60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 165

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tttttttctt tgggcaattg ataatatgtc aaaatctcaa aagaggctgt ttttttttat      60
caagtaaaaa tacacacatt gtgtctatta tggttttact ctttgatcaa atcctgcatg      120
10 tgttgtgcat aacttcttcc cggtggaatg aatattacat cttcccaacc tgaattcttc      180
tcgctcatct ccatttttcc caacacatct tccagactcc caaccataat ttgttgatct      240
cctcttgatg ctctcgtata tttagaaagt tccctctcta tatcttctt actgaaatat      300
acagggcagt aacgtctatt ttttttctc acaacaagaa gctcagactg aaaaaccgga      360
actccatcaa acccattctt atttctgag gatttgagct ctaacgcatt ctttatttg      420
15 attgatctg                                     430
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<210> 166

<211> 430

<212> DNA

20 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(430)

25 <223> n = A,T,C or G

<400> 166

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acctaacatc tccaactctt tttaatgaaa tgtaaaacaa caaacctctg tggtttctgc      120
30 actaaatata atagagaaaa aggtaggcat gggatcgaga atgatgtcag aaatatattt      180
attctgtctt ctctcataac ttgttgatct tactcaaaaa gtctgaagcc gaagcagatt      240
ccattcctgt agcagatgca ctgtccttag gtgtcactgt cttagctgct ttgcctttct      300
gcagtgcctg tctttgttga tccattgtg cctanaaatc agaataac aaacaaacca      360
aacttgaatg ggtattgggc gttcgacaaa gagggcattc ttgcttctcg ttgcaccatt      420
35 ccataatgca                                     430
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<210> 167

<211> 430

<212> DNA

40 <213> Arabidopsis thaliana

<400> 167

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aatctgacat tttttctcgg gaaatttttt tatccaaatc ggagtaaagt atcgaatcta      60
gagaatccgc tatggatgag acctattttg atctattgaa tttctttaag aatccctctt      120
45 ttacagagac atttgcgac atcttactat gcgcagttcc gatttggctc gccgttatga      180
tcgggttatt aatcgatgg tcttggcgtc caagatggac cggtttgatc tatttagggg      240
ttcgtttctaa gcttcggttt ttatggaccg caccgcctgg gtttgggtgt cgtcggcttt      300
ggcttgcttt caccgctctc tctgctttct cggtttgccg aaccatctgg tcaagggaatg      360
acaccagagc taataaatcg gcgaccgggt cagcttcgtc gcagacgcct gttgaggata      420
50 atgatgaatc                                     430
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<210> 168

<211> 430

<212> DNA

55 <213> Arabidopsis thaliana

<400> 168

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agatctcttc ttattcaaat tcaattgaga gatactctct tcttcttctt tttctctatc      60
cagttccttc tgtgcgaagt tcttctgatt aatttgagtt tcttgggaagc ttttactcga      120
60 tcttcatcgg atcttagggg tttgtttaaa tccagatctt gggttttgtt aaataatggc      180
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5 gactccttat cctggagcga cgcaggtggg ttcgtacttt gtggggcagt attatcaagt 240
gttgcagcag cagccagatc ttattcatca gttttattct gagcctagta gagctattcg 300
tatcgatggg gattccaccg agactgctaa ttctttgctg catattcata acatgggttat 360
gtcactgaat ttcactgcga ttgaagtga gacgattaat tcagtcgagt cgtgggaagg 420
tggtgttctt 430

10 <210> 169
<211> 429
<212> DNA
<213> Arabidopsis thaliana

15 <400> 169
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ccaaaaaaga ccgtagaatt caacatcaca acacgaaacc acaacacaat aaatggattc 120
catcatctga ttgatttacc attccctgtt tttatgtaca catccttcct gcttttgatt 180
20 atctttcttc aatcgcttcc aaagtcgtct tcatctccaa atgagaacac agatgcatca 240
gccgccataa ccttgaactc actctctgag cttgaagaag cattgacccc agcccagag 300
gggttttctg ttgcttcacc cttgctcaca gttactcctt gcaccggctg tgatgatcct 360
ttgtttccag aaatagacac tttctctgtc gcttttagtca gaacagcggg ttcattctgcg 420
ctctttttg 429

25 <210> 170
<211> 429
<212> DNA
<213> Arabidopsis thaliana

30 <400> 170
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atcatgagac agagtttcaa aatccattgg agtagttcgt ttccacgtgg agttgaagca 120
gaggaggtca atgcagttgc attcgtcgcc ttgggtttgt tccctcctgc agtaattgtat 180
35 atgcatttgt cataactagg gtccttgttg actttaacac cagctcctcc aaagtgcac 240
gcaacgtctg ttgctctgtt ctgttggaag tagctattga acacgaaaga agcatgagaa 300
accaaagtat ctgggtgaaa acaaggctgg cttgggtgaa tagctgtgca atcaacattt 360
ccaggaccac aagcccaatc caaagcacct ttcagatctc tctctgaagc tttagaagaa 420
gcaatgcac 429

40 <210> 171
<211> 429
<212> DNA
<213> Arabidopsis thaliana

45 <400> 171
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gatctctaag acgtctccaa tattgacaat gaaagcattt gggaggggtt taacaggaac 120
ccatttccca tctttcttga tttggagacc ttcaacgtca ttcacttgca tcagtacagt 180
50 gagtccgacc gaatcagaat gcgggggttag accaataacc tgatctgggt gtgggcatgg 240
tgggtagtaa ttcattctca tactttgaac cgaatcaaca tcatcaaaca acttttccag 300
ttcctctggg ttgatctcta gggctcttgc cattttctgt attaatgctt tagctacgct 360
ctgcacttca gaagaatata tctccagtgt atctctaaag ggaagaggta gcttggggaa 420
caagtgagg 429

55 <210> 172
<211> 429
<212> DNA
<213> Arabidopsis thaliana

60

5 <400> 172
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ctagcttgta aaggttacat tagatatgtc cttaaacttt tctttaatcg ctgcctgtat 120
tcccattcca atcgactccg gtccaacata ttttacaacg cagtccctcg cttcaaccga 180
taaaacttca acacttccgc catagttcct gatagctggc ctcagtatat ctagatgagc 240
10 attcactgcc tccacgggta tctgttttac ttcttcatca aaaacttgct gaatatcttt 300
caatgcatct ccaaactttt ccttgagtag cctctctatt cccattgtca tagttggtga 360
agaacttgga cagctggtag atgctccttg gagcttaaga gagactaccc catcttcaac 420
ggagacaac 429

15 <210> 173
<211> 429
<212> DNA
<213> Arabidopsis thaliana

20 <220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

25 <400> 173
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ctacgacaac gtgtttggcc aagactctga catcatcac tctattacct tcaatacatt 120
caagggaaaa acatctcccc cctatggatt ggaaacgcaa aagaagtttg tactgaaaga 180
caaaaacggg ggcaaaactg ttgggttcca tggacgcgct ggcaagctc tatatgctct 240
30 tggagcatat tttgctacaa ccacaactcc tgtgactcct gccaaaaaac tatctgcaat 300
tgggtggcgat gaaggaactg catgggacga tgggtgcgtac gatgggtgtca agnnngtgta 360
cgtaggacaa ggccaagatg ggatatcagc cgtaagttt gagtacaaca aaggcgcgga 420
gaatatcgt 429

35 <210> 174
<211> 429
<212> DNA
<213> Arabidopsis thaliana

40 <220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

45 <400> 174
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cctaagagag agctcaagtt tgcattggag tctttctggg atggcaagag cagtgccgat 120
gatttgcaga aggtgtctgc tgatctcagg tctgatattc ggaaacagat gtctgctgct 180
gggattaagt atatcccaag caacaccttt tctcattatg accaggtgct tgacaccacc 240
50 gccatgcttg gtgctgttcc atctagatat ggatttacca gtggtgagat cggctcgcgat 300
gtttacttct ccatggctag aggaaatgcc tcnnttccag ctatggagat gaccaagtgg 360
tttgacacca actaccatta catcgtccca gagttggggc ctgaagtga attttcttac 420
gcatctcac 429

55 <210> 175
<211> 429
<212> DNA
<213> Arabidopsis thaliana

60 <400> 175

5 gcgggccgctt agcctccaag agagagagag agagagagat ctgcatatag agaattgatag 60
aaccgtcgat ggagagagag aatggtgctt taacggcggc gacaacaacg acgacggcgg 120
tgactttctcc tcctccgatg gcttcttcac cgcgtaagc tttagttgag agattgaaag 180
attatggaca agaagatatt ttctctcttt gggatgaact ttcaccagac gagaaagatt 240
ttctcgttag agatattgag aatttggatc ttccaagaat agatcggatc attagatggt 300
10 cacttcactc tcaaggttta ccggttcgag cgattgaacc ggtaccggag aattgggttt 360
cgacagtaga tggtagaaca atggaagata gagagaaatg gtggaaaatg ggattaaaaa 420
ctatctatg 429

<210> 176

15 <211> 429

<212> DNA

<213> Arabidopsis thaliana

<400> 176

20 tcgagcggcc gcccgggcag gtcggagcca cgatctgcat ccagtcaacc tactggcggg 60
tcggtgagtt tgaccacgag aggaagcagt acttcgtggt tgctggtcca aagccagaag 120
ggttcggaca agattcgttg aagagtttct tcaagatcga gaaatctgga gaggatgctt 180
acaagtttgt gttctgtcct cggacttgcg actctggcaa tccaaaatgc agcgatgtcg 240
gtatattcat agatgaactt ggcgttcgtc gtttggcttt aagcgataag ccgttcttgg 300
25 ttatgttcaa aaaagctaag gtgaccgaag tttcgtccaa gactatgtga gaggacaact 360
ctcgatcttt tactttgact aataataaaa cctatgtttt ttttgataaa aaaaaaacct 420
gccccggcg 429

<210> 177

30 <211> 429

<212> DNA

<213> Arabidopsis thaliana

<220>

35 <221> misc_feature

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<223> n = A,T,C or G

<400> 177

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aaggaacaat acacgttgga tgaaaggctc gcgagtcgc gggagataat cgctaagtac 120
cctactcgga ttccagtaat tgctgagaag tattgcaaaa cggatctgcc tgccatcgag 180
aaaaagaagt ttctggttcc aagagatatg tcagttggcc aattcatcta catattgagt 240
gctagggttac atttgtctcc tggtaaagcc ttattcgtgt ttgtcaacaa cactctccct 300
45 caaactgctg ctctgatgga ctcggtctac gaattttaca aagatgatga tggattcgtt 360
tacatgtgnt atagcagtga gaaaaccttt gggtgatcca ataagatgt tagtgtctgt 420
gtacctcg 429

<210> 178

50 <211> 429

<212> DNA

<213> Arabidopsis thaliana

<400> 178

55 attagaccaa catttgtttt ctatcaattt gtttgcatat ctgtactatc acacacattt 60
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tgtaaatgta cacatgcaaa gaaaaagagg caaagcaact catatctttt tgatctggga 180
atccagcaaa gcacgaccag tatggcagat ccggtccctt tacctaaact tatccacca 240
tgattaacca ttcaatataa gatgcaaacc tggacctgat ccaggtaacc gagcactgat 300
60 atgagtgttc agctgctaag ccgataataa ctctaaccggc tttgactgga ttggggcaag 360

5 gcaaatctac tcgtacttgt atctgttctc ggactctctc gtttatgtac ctcagaagac 420
atagtctcg 429

<210> 179
<211> 429
10 <212> DNA
<213> Arabidopsis thaliana

<400> 179
15 ccacgcgtcc gatctttaaaggaggactcctt tttgggtgggtt ggaagcctaa atctgatcctt 60
ccttcactca ttgacaagta catgaacaag gagattatga tcgatgaatt tattacgcat 120
aacctgtcat ttgatgaaat caacaaagct tttgttctta tgagagaagg aaaatgtttg 180
cgttgtgttc ttcacatgcc aaagtaatgt ctcggaaaac acatgtcaca gattcaagaa 240
agattaacga gagctctgta tattctacag ctgagttggt gtataaaaca aaagtgatgg 300
ttttctatag agttatgaga cttttttttt tcttttgggt tgttgtgaag tgatcgttca 360
20 tacattataa agatggattc tcacatgatg aatcaaacga gttcctagaa aaaaaaaaaa 420
aaaaaaaaa 429

<210> 180
<211> 429
25 <212> DNA
<213> Arabidopsis thaliana

<400> 180
30 ccacgcgtcc gaaagaaccg aacacacgct atataccact ggaaccgcaa tgatgatggg 60
aagaaagtgg caacggatga atttgtatta cacaaccagt actggggaaa gaacattcga 120
cggagaaagc ttaagaagca ttatatcagg agtgttgttg gtggctggat cgccacttaa 180
ttcactaagt ctgcctcatg ctttgtatca aagtgtgtga ggatattctt ttaactcgga 240
acttattact taatttgatg ttaaattctt tccccgctta agttttcagc aatctggaat 300
atgaagggaa ttatgtattc ttatcagttc tttgatgaag tgaggtctac ttctgggatt 360
35 atggatttgg tgaataatgt attccttaga acggtgttaa ggaattgttt cacatgggtg 420
tgaattgag 429

<210> 181
<211> 429
40 <212> DNA
<213> Arabidopsis thaliana

<400> 181
45 tttttaaatc aatcctttta gggttttcatt gatagtttgc ttaaagctta caacttgagt 60
ttgagaatac ttaaatacaa aggtggagac ttagctaaaa ccctagagac attggacaga 120
tgtcatacat caagttgagt cttctgaatc aagggttgag aaacgattct cgagctttac 180
gttgaactgc tttgccgtac aagaggtcgt tgtctcctta ttgccagctc cacttttgtc 240
attacttgag gaagattcta gactctgttt acttgaaaca gatgaccgtt gcctccactt 300
ctgcttcttg ggcttggttt gtgcgaggcc catctgtttc attttctct ttgctccatt 360
50 agccgaaacg acaacgtatt gtcgtttgcc agagaaagcc tctgctctta cctgtattgt 420
gttgatact 429

<210> 182
<211> 429
55 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
60 <222> (1)...(429)

5 <223> n = A,T,C or G

<400> 182

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ggagctaatt gagttgectg gttatacgca agaggaaaaa cttaagatag ctatgcgcca 120
10 tctgattcct cgagttctag atcagcatgg gcttagttcc gagttcctca agattccaga 180
ggctatggta aagaatataa ttcagaggta tacaaggga ggcggtgttc gtagtctaga 240
gaggaacttn nctgctttag ctggtgcagc tgctgtgatg gtggcagagc atgaacaaag 300
tcttccgttg agcaaagatg tgcagaaact tacatctcct ctgcttaatg gtagaatggc 360
cgaaggaggc gaagtggaaa tgggaagtat tccaatgggt gtaaatgatc atgagattgg 420
15 aggcacctt 429

<210> 183

<211> 429

<212> DNA

20 <213> *Arabidopsis thaliana*

<400> 183

tggtttatgag ttgctgcat ttttcaacgg gcatgtgttt gttaatgaaa aggggtgctca 60
gtttaaggct atagttgaat atgcaccttc tcagcgtgtt ccgaaaccga gtgataagaa 120
25 agatcctcgt gaagggtcta ttagtaaaga tcctgattat cttgagtttc ttaagggtgat 180
tgcacaacct gttgagaatc ttcctagtgc tgaaatccag ttggaaagaa gagaagctga 240
gcagtctggg gcttcaaaag cggctcccat tggtacacct cttatggaat tcatacgtca 300
aaaacgtgcc actgtgatgg gaccccaggg tttatctgat attcgaagag gaggtagaag 360
aaccagagta gtctctgcaa acaagccgag tccaaggccc tcgaaacgta actctgaaaa 420
30 gaaaaagta 429

<210> 184

<211> 429

<212> DNA

35 <213> *Arabidopsis thaliana*

<400> 184

actccatcac acttttgcaa caatgtgtaa aagaaaaaaa aaatctcttg aattggtaag 60
tgtttcatgt tcttcgacaa ttcagtagac ttgcgagtag atgaaaacca gtagtttgat 120
40 cggggtcttg ttcataccat ataagtcatt ccaacttgca tcaaagtgtg atgcggaacg 180
cttagggttg ttatccctct cctggagtgc ttcttcaaga aagcatacaa gtaatttatt 240
accagcttct tcagaaacca agaatcctta gtagecctta tgtcccatg tccagtaga 300
tacaccaccc ctgactcttt cgctttgtgt ataaacgaca attctttttc tagactctgc 360
tccacatcca acgccgatga aggacctgcc ccaaaatcta tgctggcctt tcttctctcc 420
45 atgggtcgc 429

<210> 185

<211> 429

<212> DNA

50 <213> *Arabidopsis thaliana*

<400> 185

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ggagcttggt tcttggtcgt acagtgtcag gtgaatagag aagaagaaga tggaaaacac 120
55 agacgagctt gtctccattg agctaccagc tccagcttca tggaagaaac tgttttatcc 180
gaaaagagcc ggtactccga gaaagacgga gattgtgttt gtggctccaa cgggtgaaga 240
gattagctcg cggaagcagt tggagcagta cctgaaggcc catcctggca atcctgtcat 300
ctctgagttt gagtgacaa ctggggaaac tccaaggagg tcttcaagga tcagccaaaa 360
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60 tctcacgaa 429

5
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10
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 <223> n = A,T,C or G

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 nnnnnnattg ggacccgaag caaacattga actaacttcg cctcctaaca ctcacctctt 120
 caacactcat agaatccaag gtgatcaacg acaaagcttt ctcaagaaca caagggttta 180
 20 tctgtgggatt cacggatata cgactccaaa tttaaaccctt tgacatcttg agagtgtgta 240
 gtcccacgaa tgaccgaaag ggcattccaga gggccttctt tttgttgagc cgcccggccc 300
 accaccagc cgtggtacta ataccacatt gttgcatggc cacttttatg ccattcttgt 360
 ctttcatgac acacctcgcc ccaacactag aggcgatcgt tctttccacc aaaagaggag 420
 atcccaggt 429

25
 <210> 187
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

30
 <400> 187
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 ccatggccgc ctctgtaagg agcttcatcg acgaagggtg ggtagcggc tgacacggga 120
 gtggggcgct ttcttctccg gtggtgtgtg gtgtgggtgga tctatgggtt caatgcgaat 180
 35 tgggtggctct cctcacagca gccatgagat gatgttcctc cttgtctgct ggtcatggac 240
 gctagcggat tggaatggat tcttttaggt cgacagcttg tgagctgtag ctccgggtgag 300
 cggcagaagt cggactgtag atcgggtgggt ttcacctctt tgcgacgaga ttaacagtgg 360
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 gatggctt 428

40
 <210> 188
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

45
 <220>
 <221> misc_feature
 <222> (1)...(428)
 <223> n = A,T,C or G

50
 <400> 188
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 caaaaattca cacttaagga ttttgttttc atcttgttac cgtagctagc tagtaccata 120
 aaaagtttta ctgattaccc gtaaaactat taatttttct actttgacat gtttagcatt 180
 55 tattccctga caatccgata acatttttgg atagatcgta agtgatacgt gtcccttgct 240
 gctgcacatt cccgatgatc gacaacgacg acgacgtcgg agcaaaagcg aannaacgt 300
 tccactatca tccacaggga tcagataatt cttcgccggc aaatcaagcg acttccctcc 360
 cgtgaaatga aacgcaaccg tcggtacttt cacagtggag agagacgaga aatcgtaaca 420
 cgtgtcga 428

60

5 <210> 189
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(428)
 <223> n = A,T,C or G

15 <400> 189
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 cacacattat agacaaanaa gtaaagcaaa tcacatgtca acgtccaaag cattggaacc 120
 agagacagta tgtgtggttg tcgacccgac acataatccc caacctctta ctgaccggaa 180
 agaaaaataa ctacctgatc caccgacaat ttttaactcct ggcaacattc aagcagcggga 240
 20 cgggtgcggtc acgtagtgtga gccggccagc ttcagtaaga gcggtgatga acggcttcag 300
 attcacgaga tcgacctctg tgtccacaac ggtaacaggt ttcttgtaat ccaaggattc 360
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30 <400> 190
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 aagatccttc tcatgaggga tgatgattat aatttagtaa gctctggagt tagatttgct 180
 gcaaaccctc ctgatctctc cgacgcgatc ttcaccagtg agaacaccaa cgttgaccag 240
 35 cttagccatc gacacagcaa actgctgtct gaatatctga ggtgattgct ctgcgaaagt 300
 ctttacaagc ggacagtcct tgggtcctta acaagctcct gatcagtcga caaaactccc 360
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 agatcgac 428

40 <210> 191
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 <223> n = A,T,C or G

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 ctgaggctct ctttccttca actgccatag agaccagaga tatggaaacc aacaagtaca 180
 tctatagttc taatgatgtc ttacatgaca aagaaattct gaagtagcgg cttgagaggt 240
 55 catatgaaat taagtaacct aagaacgaca catgtttatg ggatccattt tgcatgnnnt 300
 attcgcaatc aagcacagaa caccagtaga ccagctaaat ttcgtaacca agactaagaa 360
 aaactagcaa aataggcaca actcaaaagt aatcaacact tctaatttct aactagttca 420
 aaacagta 428

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 agacatgaat gaaaagagaa gaaagctggt gctgaatcgt gattgagaga aagtagagag 180
 agctacaacg cttacaacaa actactacta gtcagcagtc cagctttgct caacaacatc 240
 acgcactctc ctggtgtact cgcgcttgct ttcgctgtac atccgagcag cttccgagtt 300
 15 tgcaggagaa ttcggattag ggtcacagag caaggactgg atggaggtaa gtatagcagc 360
 aacatcatag attggactcc actgggtttg tagaatgtcc aagcagatac tcccatctgc 420
 ataaatat 428

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 20 <211> 428
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 tcatcaaccc acttttggtt tttttctttg tatgtcgttt tctattggtt tatttattgt 180
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 30 taaccacacc gatattactc attctgacca ttgacctcgc aaactcaacg ttgaagggtgc 360
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 gatcggat 428

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 40 <221> misc_feature
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 ataaggacaa catcaacaac aaaaagaaan naaaaacaga aaaataagcc tttttgcacc 180
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 ctcatgtttc ccaaaccaaa ggatttcaat ttgtactact gtataccttt ttcaggcaaa 300
 50 tttgaatcca ccaacgggag cagcgggatt gttcccaaaa ttgaaagcct gttgtgaatt 360
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 55 <211> 428
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10 tcaagcagaa gaagatgaaa ggtttgtgtc tgagtggaaa aagtatctgg aatatgaggc 360
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25 ccttgacgga gttttctctg gacaaagcgg tggttgtcgt cggagtcagc cttgctgcgt 360
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caanaagcaa agagtagtaa actgattatt ttacatatga ttcaacacca annngaagaa 180
gaagaaacaa tacatctcaa agtcgaaaca acttatagaa caagaccggt ttgtatcgag 240
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45 ctttccagtt caatgcgtgt tcttgcttag gtagttcttg ctcttctgtc tgtggtgttg 360
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tcccctca 428

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50 <211> 428
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tatagcttca caacacttac acttgacgat agaattgtta gtctcttgca cacaaattaa 180
atgaatcaaa tagatccatc gctataggat ctatgcaatt tactcagagt ttgtggggaa 240
gctaattctta tatgtcaaaa gagatgaaca tcttcttatt tttctctttt acttctgttg 300
60 ttgttccgcc attgccttaa gcttttcctc caaaatgtct ttctcaagac cgtacattct 360

5 gttcaaagca tgcataattct caagggtctc gctcagcgtt ctactgtcac ttccgtcaca 420
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10 <212> DNA

<213> Arabidopsis thaliana

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ttaataaatc tgtacttgtc gcaataccta caaatgtaca tttgatgcgt gtctcaagat 180
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agacttcata gattcaccaa taatgtgatg gccagctatc agatcagacg cttctctaata 360
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aaacaaca 428

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<213> Arabidopsis thaliana

<400> 200

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aaacagtc 428

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40 <212> DNA

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tgggtcctcc ttcttcagct atggtgacta tggcttcttc accagtgtcc agatttggtg 180
gatttgggtc tcatactatt ctccaggtatg ataagatgca acgtcttcgt cgtgggtgtt 240
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5 <223> n = A,T,C or G

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10	taaaagatgt	tgattttctct	gaacccaaaa	gctattaaaa	aaactccatg	aagtttcctt	180
	ctctaactct	gtagagcggc	ttgagcaatc	tcgagagctt	cttcgactga	agatgcgctt	240
	gcgngtttag	ccttatcgac	aagtggttgg	cttcttgcta	gctttggtag	aagctggaac	300
	tcctcaggcg	atccgctttc	tactagaaca	cctttcaacc	tgccagattc	aatccagaag	360
	gtagcgattt	tcgggtcaaa	gttcccaacc	tccactgttt	ctcccacatt	atctccgaaa	420
15	aactgcca						428

<210> 203

<211> 428

<212> DNA

20 <213> *Arabidopsis thaliana*

<400> 203

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25	gagggtcccg	agcattatth	tgtacctctt	tcagcaactg	gcttttcccg	ttttccatca	180
	gaaaccaaag	ccctgcctct	cagagggtcg	agagcactta	cctctctgag	cgagccttcg	240
	tttcttgaac	ccaatgttcc	cgatagcttt	gcaccaagca	agtacagcga	tatacctgac	300
	acgtatgatg	atcttgattc	attcaaagat	tacgataatg	ggaacgggtt	tctgtcgggt	360
	gctggatcaa	acagtgtagc	ttctgatgca	caacaatcat	tttacgatat	tgatgatcaa	420
30	gtatttttc						428

<210> 204

<211> 428

<212> DNA

35 <213> *Arabidopsis thaliana*

<400> 204

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40	aatccaagat	tctcggtttc	cgaaacacct	aaaccgggtc	caatcatcac	ttccggttaa	180
	gccagtgaag	ttcaaactgt	gatcagatgc	gcacagctgc	atggaattca	tgtaaggact	240
	cggagcgccg	gtcactgcta	cgaagggtct	tcttacattg	cgtacaacaa	accattcgct	300
	gtcatcgatt	taaggaatct	tcggtctata	tcattagacg	ttgataaccg	gacaggttgg	360
	gtccaaaccc	gagcaacggc	tggggaattg	tattatgaga	ttgggaaaac	caccaaattct	420
45	cttgctttt						428

<210> 205

<211> 428

<212> DNA

50 <213> *Arabidopsis thaliana*

<400> 205

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55	gatgccttcc	gacacctttt	cggtagaaga	atcgctcttg	cttaccagaa	ggaggtaata	180
	tacactaaat	tatatttgct	tgagtttcca	tgagattttt	gattatttgt	ttttatttgt	240
	tttggataga	tgaagctact	tgacagatg	ctttactatg	ttcttacgac	aggttcaggg	300
	caacaaactt	taggagagga	atattgtgac	attatacagg	ttgcagggcc	ttatggactc	360
	tctcctacac	cagctagacg	tgctttgttc	atattgtacc	agaccgcagt	tccatatatc	420
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 15 atcgaagtag aagatgtgta gtcctgtgta aaaggagaat tggatgtatc aaagcgggtg 240
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25
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 30 ggaacccaat gccatgtcct tcttccaaca tgaaaaaaca gaatctcagg ccaattgtaa 240
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 caaacccaag taaacttctc acaaaacaatg tccggtaatg tttctacttc gatccaactc 360
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 cgcgtgg 427

35
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50
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 60 cgagtttgga caagttacca atgtaaaaat catcgcaaac gaaaggactc ggcagtcact 240

5 aggatacggg tatgtctggt tcaacagcaa agaggacgca cagtcggctg tcgaagccat 300
gaacggaaaag ttctttgatg gcaggttcat tcttggttaa tttggtcagc ctggtttgtc 360
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<211> 427
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40 <210> 212
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cgatttaagg gagccattta ttgaaaattt gtataagcca aatgtttctc aatcaagatt 360
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gccattg 427

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60 <400> 213

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 gcagaacgtg gctttgttcc tggaatgtca aaggaagagc aggataattt ggctaaaagc 300
 10 gagacattgg cgattagaat atcaaacatt gcaaacatgc ttctttttgc tgctaaagtc 360
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 aatttgttat gtgaatagta gtgagtgaat gatcggtttt atgatccggt ttaagaagat 300
 25 ttatttgttt gttgttgttt ttttgggtgt tttgtgtttt tgcggtattg taattgtaat 360
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 30 <211> 427
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 40 gcttacaact ttccagtagc ggctgctgaa tagatcaaac catcctgcct ccggtcaga 360
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 ccgggcy 427

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 aatccgttga gagtttgttc ctttttttgt ttgctcggag atggaggctt tgccggagga 180
 tgaagagtac agtttcaggg aagtagtgtt gccgtctttg attccggtag tgccggagcc 240
 ggaacttgag agagagagcg gagagaggag aagaggaaga gatgttatcg tagccgttga 300
 55 tcatggtccc aatagcaaac acgcttttga ttgggctctt gttcatttct gtcgtctcgc 360
 cgatactctc catcttgtcc acgcccgtctc aagttcgttc tctcttcaat gtgttaagaa 420
 cgatggt 427

<210> 217
 60 <211> 427

5 <212> DNA
<213> Arabidopsis thaliana

<400> 217
 10 caaagatggc atcgttttgc agatcagcgt taatggcagg ttccagaaac ttagtatcaa 60
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 tcgcttcaat gtctcaatcc atccctcgcg cttcgagggt tctctctgct ttgggaagtg 180
 ttgaaacgat gattccactt cacagtgcg ttgcttcagc tcgtctccgg tcaagcatcg 240
 ctgctgattc ctcttggttg agcttgcttt ctgaggact tgcaacgcct ttgtgacccc 300
 ggtctgctgg atcgatataa ggcggaaata atcaatatat tacaatgaat gaacaagaat 360
 15 agtgtttttt tttctagttc gaactctatc gtcaatgtat tgttgtgtgg ttcacaagga 420
 cttgttg 427

<210> 218
 <211> 427

20 <212> DNA
<213> Arabidopsis thaliana

<400> 218
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 tctgtgttct cttcgattgt gtgttgtagt agacatcaaa gtcgatcact ttttaggggt 180
 tcgattaaaa acgtcgcctt tagaaaccag agttcgaatt cgtcttggtt taggtctaaa 240
 aattcgaatc tttggtttcg tttgaatcag aggaagactc tagttagagc atcgaattgg 300
 agccaagaga aatctcctta cgatactctc gagttggata gaaatgcaga ggaagaacag 360
 30 attaaggtag catacagaag attagccaaa ttctatcatc ctgatgttta tgatggaaag 420
 gggactc 427

<210> 219
 <211> 427

35 <212> DNA
<213> Arabidopsis thaliana

<400> 219
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 cataatcatc atgatgaaca acaacaccat gggtttcaag ggaagataag attggagaat 180
 tgggaagaac aagtgttaag ccaccaacaa gcttccatgg tggctgttga catcaaaca 240
 gagggtaaca ttaacaacaa caatggctat gtcatatctt ccccgaaact acctcctaac 300
 aaatcttctg ttacaacaac taccacaaca aacctgttat gaatgaatga gaacagatta 360
 45 catcttcttg taatttctct ttacctattt cagttgtaag gatcatttta atgaattaag 420
 tttcttt 427

<210> 220
 <211> 427

50 <212> DNA
<213> Arabidopsis thaliana

<400> 220
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 aattggatca gcaatcggtt tcagatttca tagcggatct actcgttgat tatccaacta 180
 gcgattcttg ctccgttgat ttggcggctg ataaagttct aaccgtcgat tctcccgccg 240
 ccgctgatga ttccgggaag gagaattcgg atttggttgt tgagaagaag tctaattgatt 300
 ctggtagcga gattcatgat gatgatgacg aagaaggaga cgatgatgct gtggctaaga 360

5 aacgaagaag gagagtaaga aatagagatg cggcgggttag atcgagagag aggaagaagg 420
aatatgt 427

<210> 221
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10 <212> DNA
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<220>
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15 <222> (1)...(427)
<223> n = A,T,C or G

<400> 221
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acacaatttt atacaatata caatttggag ctctgataaa caacaactat aacaaaagtg 180
cccaaataac catgtatata cacacataag cgatacttgt tatcaacttt cgaatttcca 240
atagcacaga acttgagcaa atctagaaga ttaagagatc ctcccttcacg ttgtaaccca 300
tcttctctag atttggctgc aacgcaaact gaatcatagg cgggtgggccg catgcgagtg 360
25 ctagcgattc gccttccaaa ccttcaggga tatgttcctt aagcacagct tcagttcggg 420
cgcggtgg 427

<210> 222
<211> 427

30 <212> DNA
<213> Arabidopsis thaliana

<400> 222
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35 aaactagaag aaagaaaata catatacaga ttttctttat ttcagaatat tcttaataac 120
cccaatagta gtaattcgcc tagacagggc tcgcatcgcc ggattgaagg tacgaacgct 180
caccggcatt tttcttccca gtaaataacc gatcaaacgg tgaccttatt gctagaagca 240
aaccttttagg tgcaccagca cgatcctgat aattaccact agcgttgata atctcatccg 300
gagactgtat cgaccgggta tggtatggag gagttataga aaatgggtctc cgggtccaacc 360
40 gaccgtcttg atcaaaccgt tcaaagtaga aatagttctt ttcagtcctt aggtcttcgg 420
ttctgaa 427

<210> 223
<211> 427

45 <212> DNA
<213> Arabidopsis thaliana

<400> 223
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50 agtccacgc tggacctaaa gggtttcaat ctctagaac ctctgaaaaa cccggccggc 120
cagaccggga cccggaagac gatccccga tacctcaaga agtggtcgag aggatgatgg 180
ggaggattgt ggtgtctgtg ggaacaccac tgggcttggg agtggcgatc ttgaaagtac 240
tcgaagtttt gaaggataga aacgtctggg acgtgccttt gtgggttcca tacttgacca 300
cactcgtgac ctttgggttcg tcggctcttg ggattgcgta cggaaagcttg tccacaaacc 360
55 tggaccgggc caagactaac tctctttttg gactcaaaga ggcaaaggag aattgggtag 420
agatgtg 427

<210> 224
<211> 427

60 <212> DNA

5 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(427)

10 <223> n = A,T,C or G

<400> 224

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gtttcgatta aaccaaacgg atcatatgca ccagcattaa caaaaaacaa ccgatatttt 120
15 gagactcaaa accaaaaaag attacgactt tagaagtcct aaaaagtttg cagcttcgaa 180
ccttttcatc aaacactgcc ttggccaaag tcttgaatcc tgtcaccacg aacatttaag 240
ctctccattg cattctccaa tccagaactc atctcagcca acacatgagg atcattgtaa 300
tgttgaacag cttgaacaat gtcctaagt ttcttaaacg gatcaggacc atcaaaaacc 360
tcannnnnca caaaaanccc atcacaacct agctgcatca tcaaagctgc atcagcagga 420
20 gtcgtga 427

<210> 225

<211> 427

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(427)

30 <223> n = A,T,C or G

<400> 225

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ttcagaattt gtcgggaaa tcagcgccgg agttttcatg aaacagagcc aagtcggtat 120
35 aatgggagct aacgcggcca gcgaacaacc tgagaaatcc attgttctaa tcgatttagt 180
accgcttgga gataaattcg ataacatgac tagnaatgctg acttaccaga gattctggag 240
tanannngtc tatatagatg aaccaatctt tggcgggatac gacgtgattt acgtgcgtaa 300
tcctgggtta cccgcttccc cgccaacttc tggatgacc attatagatc aaggaccgta 360
ctctggtaat aataacggaa gggcgggtcaa accgctcgga gttgatgttc caaggaagcc 420
40 gcgcaag 427

<210> 226

<211> 427

<212> DNA

45 <213> Arabidopsis thaliana

<220>

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<222> (1)...(427)

50 <223> n = A,T,C or G

<400> 226

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55 gagcatgttg tggagagaaa agaggaatct acctatctg aggattcctc ttccccca 180
gatgaatctc aaaatgatgg tagtgctgaa aaggaggaat cagacgaggt taagaaagt 240
gaggattttg taaccgagaa gaaggaagag ttgtcaaagg aagagttggg gcgnnntgtt 300
gcctctcggt ggacaggaga gaaatctgat aagccaactg aggagacga tatcccaaaa 360
gctgatgatc agggaaaacca tgagcacacg cccatcactg cacatgaagc agatgaagat 420
60 gatggat 427

5

<210> 227

<211> 427

<212> DNA

<213> Arabidopsis thaliana

10

<400> 227

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actgtaaagt	taatggccat	cccattattc	tcttttattt	ttatcatgta	gaaacaagat	120
acaaaaaagt	taaaagactg	ttacttttagg	tcttgaacct	ctgagagatc	ttcccaactc	180
catctctaca	ctcctcagcc	attttcttca	ccttatcgct	cacctgaact	gtcccttgct	240
caacatctgc	tgtctgtcct	tttgccctca	caatggctgc	atctctcatt	tccccagctc	300
gcttccctaa	attcactgca	tattccttca	aaactgtaat	ccataaacgt	attttctcca	360
tcacagtga	gatcacttcc	cgggactttc	cactcacggg	tccagccatc	tccttcagct	420
tatccat						427

20

<210> 228

<211> 427

<212> DNA

<213> Arabidopsis thaliana

25

<400> 228

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gctgttgctt	cctctaccgc	ttccgccgtc	ttcagaaaga	tcgagtttca	ccctgcaagg	120
aaacccttca	acggtttctc	taatgggcgt	tccgatttta	agatcgagac	tttgaatcct	180
tgctcctcta	accagcgact	gttatctgca	cggtcgcgta	agaaaccgga	cagctccgat	240
ttgttggaac	atgggttcga	accgatctt	acttttagca	ttaccttcgg	caaaatcggg	300
gcggttttgc	agaatctcgg	gaatacatgt	ttttttaatt	ccgtattgca	atgtttgaca	360
tacactgagc	cttttagctgc	tactctgcaa	accgctgcgc	atcagaaata	ttgtcatggt	420
gctggat						427

35

<210> 229

<211> 427

<212> DNA

<213> Arabidopsis thaliana

40

<220>

<221> misc_feature

<222> (1)...(427)

<223> n = A,T,C or G

45

<400> 229

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aatcatctct	gtaatcgaat	gctgccatat	cgaatggtgt	cgaatcaaac	accanctgga	120
accgattggt	aaccccggtg	ttcgccctt	gttgcataaa	catttgattg	ccactgttga	180
aattcagctg	ctgattctga	gctgcttttg	catcaatgac	catgctttgg	ttttccatca	240
aagtaggagg	cgtttggttg	ctttggacat	ttctgtcgta	catggccata	agctcgggtga	300
tcattctctg	cccgttttcc	gnnnctccaa	cgcccgatag	gtcgatcggt	tggactgggt	360
gctgaggaac	tactagtttc	attccacca	tatgaaactt	ggatgctcca	tacgctaaac	420
gattgtc						427

55

<210> 230

<211> 426

<212> DNA

<213> Arabidopsis thaliana

60

5 <400> 230
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 gacagaaaaa aaaaaaacat aaacacaact ctagttcgct acttcaaata caacggccca 180
 caatttttct caatttttcta aacatacccc accattttca gaaattacca aaccgcccga 240
 10 gaatcttcac cgtccgtttt cggatcttag atcaaacggc gatcatgaaa gcgagagata 300
 gacctcgcat tgtattgaag tcttcccaat tctaaaccct ggaacaaccg tgaacgcgac 360
 acgtggctca gactccggcg aactctccgc cgccgggaaa aacgcttctt ctgctacact 420
 cttcat 426

15 <210> 231
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

20 <220>
 <221> misc_feature
 <222> (1)...(426)
 <223> n = A,T,C or G

25 <400> 231
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 tcctaagcct tagacataaa cgcaccatca cacatagcca aatgtcaaca caagaaaacc 120
 agaagagaaa atgaataaca agacactaaa ctcacacaaa cgagaaaaaa aaaggaatca 180
 agaaaaacag agaagctggt gttattgctc ctcttgact tccacttcgt cttcttcata 240
 30 ctcataccct tcttcctcat cagccgttgc gtcttggtac tgttgatact ctgataccaa 300
 atcattcatg ttgctctctg cctctgtgaa ctccatctcg tccattcctt cacctgtgta 360
 ccaatgcaag nnnngcttttc ttctgaacat cgctgtgaac tgttcgctca cagcctaaa 420
 catctc 426

35 <210> 232
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

40 <400> 232
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 cgaagccgct ggaatagaat acgaatgcc tgagcttgta agtttccgat tacacaattc 120
 tatacactac atcttcaaca ttgaactaat aactgcatgt tttgtgtcac tgcttcaggt 180
 tggaaacaca cagccagtc cgaagaggat caagttagt gaagaagact aaaagctgaa 240
 45 gctgaacaac acttttccga taacctttt tgaatagaaa tctggtctgt tgtactcttg 300
 atattggatc aataactaaa ctttaaagtt tgcaatgaaa acttctgttt caatgattca 360
 gattttctgt atagcatcaa gatactttcc cgagacagcg ggtgttagat tctctctggt 420
 gaaacc 426

50 <210> 233
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 233
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 aaaaaacaat tttctgtcta tatatatatt aaggatccaa attagggaga gaccaaaagag 120
 gaaattaata acaatcaatc caacaacgaa tggagattga agaagcgagt cgtgaaagtg 180
 gacatgttgt gtgcggatca tggattcgtc gcccgagaa agtaaaactgg gttcttatcg 240
 60 cttaaagcttc caaacgctgt ggctcatctg tttcttctcc tgctctcctc aacatcttct 300

5 cttttgaccc cattactgct tctctttcct cctctccttt ggcaacacac acgcttaagg 360
 atagtgatgg tgatcctgtg gctgtttcag tgcacctgg tggggattac tttgtttgct 420
 caacct 426

<210> 234
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<400> 234
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 cagctatgca tcaaggctctt aattcttctt cccccaaca tttcacttct tatttttatg 120
 taaacttggtg gaaatttttt caataaataa gaaataataa aattataata gtgtaagagc 180
 tgcagcatac actgtttcaa gatctggtct tgaactttct ttgagctttc aagtcgatca 240
 ctatgattga gatattgtct ttgcttccca tttgaatagc gagtttgagg agatattcag 300
 20 ccgcagcttg acacgcttgg tcttctccta cacctctctc agctaaaggc aatgctccat 360
 tcttcttggtg ccaagccaag atccgcctcc tcgcaaaatc gcaagcttct tggttactca 420
 ttacgt 426

<210> 235
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

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 aaagtttctg cgaaagctat ctcgaaagaa cagaagtcac tgacgagaac aggtaagcag 120
 caaattcagt caaaagaaga aacatcatcg accatctcta gtaaattact gaaaactgaa 180
 gaaattatct catccccgag tcaaagtga cctgggactg tacttgctca taagaagcct 240
 cagaaggact ggaaagctta taaccctaaag acaatgagac ctccccctct accagagggg 300
 35 accaaatgtg tgaaagttat gacttggat gttaatggac tgagaggatt gttgaagttt 360
 gagagcttct ctgctctgca gcttgcccaa agagaaaatt ttgacatctt gtgcttgagc 420
 gagact 426

<210> 236
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<400> 236
 45 tgaattccag ccagcatggc agcgtgacca accgctgtaa caggaagaag cattagaata 60
 ccgatgggaa taactgacgc caggtcagtc atggttctgc gcagggtttt cttttctttt 120
 cctgttaatt catcaccaat cagagacctc cgaagtagct gcaactgcagc tgctgaatca 180
 atggcaagaa gttgagtacc ttgccacacg tccgtggtgg cttctcttag cttttgaaga 240
 gttttctcca tcatgttttc cttcttgagg gtctgaacca actgaacact ttccgttcta 300
 50 ctgcttgatt gaggtgtatc ctgagagatt atttctctct catctactga ctgatcagtg 360
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 atctca 426

<210> 237
 <211> 426
 <212> DNA
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<220>
 60 <221> misc_feature

5 <222> (1)...(426)
 <223> n = A,T,C or G

<400> 237
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 tgctttgttc agacgtactc gttgactcga aaggctgtca ctttcaaaac gaaatctctg 180
 gttctgagca gctcaaacac acagacgtct ctttctccta agttgttctc tagagtgaat 240
 tctgtaccatc cttgactgaa tttggctctc ccggctttgt agagacatcg aacaggccat 300
 tgttttctccn catnctggac tttgatgaac ccggagatcc cacttaggta cttctcagca 360
 15 aaccacagaag gaagatacat gatgcaacct ctgtatagat aggatggctc cagaaccact 420
 ctgaag 426

<210> 238
 <211> 426
 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 238
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 agaaaagaga taacacacac aaaaaaaaat ggcatacaacc tcaactcctca aggcttctcc 120
 ggtgttgac aaatccgaat gggtaagggt acaaagcgtt ctcttccgtc agccttcttc 180
 cgcttctgtc gtctccgca accgtgccac ctccctcacc gtccgtgccg cttcctccta 240
 cgccgatgag cttgttaaga cagcgaaaac tattgctgtc cccggacgtg gaatcttggc 300
 gatggacgag tcgaacgcga cttgcgggaa acgtttggat tctgataggc tagagaacac 360
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 cctcgg 426

<210> 239
 <211> 426
 35 <212> DNA
 <213> Arabidopsis thaliana

<400> 239
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 gttgtttaat tgatctgtct tcgggagctg tgggtgaaag taagggtttg ggtggttcat 360
 45 agtctcaacg tctgcttggg tagttgtagc agctggtggc tcagtgggac tgaattggtg 420
 gacagg 426

<210> 240
 <211> 426
 50 <212> DNA
 <213> Arabidopsis thaliana

<400> 240
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 acatcagaca atattacact ttttatcttg gctgcttcaa tgtctccgca tctgtcgttt 120
 taccgggtgaa agaagcttct tagctttcct ctttcaagct tctcgagaag cttatcggcg 180
 cccattactt ccatctccga cagcttcttc agatacccta ttgctccgta cgacaccatc 240
 attttcttac tcttctcgtc tcccgcacac cccaacagcc ccgccacggc gtacttcttc 300
 gccgtgtttc cagggtttga atccaataac atcaccaaat tcgtcagaac gctcttcccg 360

5 tcttttcttca gttcccgtcg aatccttctt tccgctacca atccagcgat cgcctgagcc 420
gcccgt 426

<210> 241
<211> 426

10 <212> DNA
<213> Arabidopsis thaliana

<400> 241
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15 catatagtat aaagccgtaa actctcttca acgaaagcga gagagtgtga ctccattccc 120
tcaaaaccta actttggcta aaatatTTTT cttggaagaa aagttattga aactgaacaa 180
acacaaacca cgtagaaaaa tcccggaata tagaaataat atcttcaagc tcttcacttg 240
gcactaccga gctgggagcg gataagctta gccgcgtcaa ccatggcttt aagtgcgtgt 300
ttaacctcag tgtacttctt tgtcttcaga ccacagtcag ggttaaccca caagatgttc 360
20 tgctcaagaa ccgcaagcat cttgttgatc ctgtctgcaa tttcatctgt ggatgggtatt 420
ctcggga 426

<210> 242
<211> 426

25 <212> DNA
<213> Arabidopsis thaliana

<400> 242
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30 gccattacaa caaaaacaca taatgtgaga agatagcaag gcaaaaaaac gctcacagaa 120
accaaaaagt ttatatgttt ctttaatggt aaaatcaaag acaaaaacat aattcttcgc 180
ttctgttttg tggtcgaatc aatggaggtt ttctttttct attgtctcat ggcaatctcc 240
aaggaaaaac ttctattggt aagtaagtaa ggtaggttc ttaacctgac ctcttgaaaa 300
aggtgaaagc catggctata gttgcaatgg ctccaaccac agcagctcca atgtaaagct 360
35 cttctttgtc aagaggctgg aaccatatgg tacacttttt tacttctttc ttgattggct 420
ctggct 426

<210> 243
<211> 426

40 <212> DNA
<213> Arabidopsis thaliana

<400> 243
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45 tatttcacaa aacaaaagga atatatacaa cttaaacatt atcacattca cgataagtgc 120
ttaccataaa caaagtgggt caaggatctt gcctctgaaa ccatgtctat taacttgaag 180
aatagatcac ttcaaataat caattaacta tatctacccg gcaacacggt ccttgccaaa 240
ccagtatcgc ccttttctga gctcttatgt ctttcatact caagatcatc agtaggcagc 300
tcataccgac aaaccgggca agtattcctt atccccaacc aaggtatgat acactctcca 360
50 tgatagaaat gactacaagg aagcctcctt actttctcct ccactaacat ttcactcttg 420
catacc 426

<210> 244
<211> 426

55 <212> DNA
<213> Arabidopsis thaliana

<220>
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60 <222> (1)...(426)

5 <223> n = A,T,C or G

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10 tagtcttctt ctcatgttac atagaggaca ttactttgat tcaactgaaca agcacaagcc 180
ttccactacc aataccttgt ccaaaatcac caccaccacc atcatcatct tcttcttcag 240
cattcttagg cacagtaaca atcaaatac catcaacaca agcaacagta acaagctcag 300
gcctagttagg ttccggtaac ctaaaacgcc acacgtcaag ctctaattcg tctannnaca 360
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15 caacca 426

<210> 245

<211> 426

<212> DNA

20 <213> Arabidopsis thaliana

<400> 245
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25 ggtgatgagc tccattccgc cttttctgag caaaacgtac gatatggttg acgatccatt 180
gacggacgac gtggtgtctt ggagcagcgg aaacaacagc ttcgtgggtt ggaacgtgcc 240
tgagttcgcc aaacagtttc taccaaagta tttcaagcac aacaatttct ccagcttcgt 300
cagacagctc aatacttatg gttttagaaa agttgatcca gaccgctggg agtttgcaaa 360
cgagggtttt ttaagaggcc aaaagcaaat actaaagagt attgtccggc gaaaacctgc 420
30 acaagt 426

<210> 246

<211> 426

<212> DNA

35 <213> Arabidopsis thaliana

<400> 246
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40 tccgaagttag acaacgatac caccgattgt aattcagaag agaacagaaa attttgga 180
gaacacgaac aacttctcca ggcgacactg tataggacaa gttcaattga gacaaagata 240
agacaagcaa ctaaggaagc gttgaaagta gtttagatcaa agggtttggt atgtgtctgc 300
cggagaccgg ttaccgacgg ttgtcgtagc tgtttacgcg gcgaagtatc tagcctctc 360
cgagaagctg gctatgattg cgtcatttcc aaatctaagt ggagaagctc tcatgagatc 420
45 cctgca 426

<210> 247

<211> 426

<212> DNA

50 <213> Arabidopsis thaliana

<400> 247
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aacgagcaat cgattgttgg agcagccacg atcgaggcta atacagttta tgggtgactt 120
55 agaggattgg agacatttag ccagtttggg tgcttttgat tatataacca aatctgtgca 180
aatatataaaa gcaccatggg atattcaaga taaacctaga tttggatacc gcggtctgct 240
gatagataca tcaagacatt atttaccaat tgatgttatt aagcaaataa tcgaatccat 300
gtccttttggc aaacttaatg tcctgcattg gcacattgta gacgagcaat catttctctc 360
tgaaactcct acatatccta atttgtggaa aggagcttat tcgagatggg aacgtttatac 420
60 agttga 426

5

<210> 248
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

10

<400> 248
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 cttcttcagc aattcagatt catcaatggt gggaacaaaa ccctaattcg ttactgttaa 180
 15 tgacggaggc tactggtggt tattcggttg ctagctatta tacgtctttg ggtttgtttg 240
 ttatctctgt tctgtgtctt tggctctctaa tcaaacgctc tgtaaataca aaggttcgaa 300
 ctttactaat tacaaaaccc taaatttcac ttccaattcc caatttcttc gattttgaaa 360
 aagcttgaat gcaatgttga ggattttag atagtggaa agacgtttgt tgtaaatgac 420
 gtcaag 426

20

<210> 249
 <211> 426
 <212> DNA
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25

<400> 249
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 cgagtcttct gatctcaatt cttagttttt ctctcatt ggcgatttct ctctttcttt 180
 30 tcgagcagaa atcggttagat cttttatcgc tgtgtaatag tagtactaat ttaataatc 240
 ttgagagtaa ttactccgtt cattgttgaa tcatggagtc cggaggcaaa actaatcgtc 300
 agctgcgtaa agctatttgc gtctcaacag acgagaagat gaagaagaag agatcacctt 360
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 cttcct 426

35

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 <211> 425
 <212> DNA
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40

<400> 250
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 ctccaagagc ttgaccggtt agcccaattg agcttaccgc cgggttttcg gttttatccg 180
 45 actgacgaag agctgatggt tgaatatctc tgtagaaaaag ccgcccgtca cgacttctct 240
 ctccagctca tagctgaaat cgatctctac aagtttgatc catgggtttt accaagtaag 300
 gcgttattcg gtgaaaaaga atggtatttt ttcagcccga gggataggaa gtatccaaac 360
 ggggtcaagac ctaatcgggt tgccgggtcg gggtattgga aagccaccgg tacctcggcc 420
 gcgac 425

50

<210> 251
 <211> 425
 <212> DNA
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55

<400> 251
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 aaaccagct caagtctcct tcatgactaa agagtaccac atctacatga catctgacgg 180
 60 gaggataagc atggctggtc tgagttcgaa gactgtacct caccttgacg acgctatcca 240

5 tgctgttgct accaaagccg tctgagaaac tgaacaccac catgacacca aagcttcata 300
ataaagattt tgttcttttc tttctattat agcatttccg gcagtgacaa gataaatgtc 360
gttactatta ttattgtttc atcccagtat caataaagta cgcaagaaag cttttgtgct 420
caaaa 425

10 <210> 252
<211> 425
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15 <220>
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<223> n = A,T,C or G

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aatcaagaca acatttttgc caatgtctac tgcaggctgg aaactctggc cattggcaca 180
cttggttaca tacggtgtaa tccctgtaga ccaaaggctt ctttgggtag attgtattga 240
25 actcatatgg gtcactatat tatcaactta ctggaacgaa aaagctgagg cgcaagcatc 300
agaggaaacg aactccagtt ctactcaag caaggattag gtgatatcag catgtngatt 360
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ttttg 425

30 <210> 253
<211> 425
<212> DNA
<213> Arabidopsis thaliana

35 <400> 253
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gttcagacta tgattacctc atcaagcttc ttctcatcgg cgatagcggg gtggggaaga 180
gttggtttgtt acttcgattc tcagatgata ctttccactac aagtttcatt actaccattg 240
40 gtattgactt caagataaga actgttgaac ttgatgggaa gcgtatcaaa ttgcagattt 300
gggacactgc tggtaagaa cgtttcagaa ctatcactac agcgtattac aggggagcga 360
tgggtatatt gcttgtctac gatgtaacgg atgagtcac ttttaacaat attaggaact 420
ggatg 425

45 <210> 254
<211> 425
<212> DNA
<213> Arabidopsis thaliana

50 <400> 254
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catcaactca ggaagtacaa agccaaaaag aaaaaaaggc tacagattct taaactttta 120
ttgctcagtt aataaaagct gtgagagaga aaatgtagaa gcaaaaactga tgaaacaaca 180
attaaaagct tgaccagaaa gaaacatctg tgcttatgca ctcggaaaac agatggctgc 240
55 gtaaaatatt ccgagctcat agatcaactt cctctgagca aaagaccctt ctggaattcg 300
aacaatgcc tatattctct tggtagttgt cctaatactc caagtagtag tatgagcctg 360
cagacttctg ttccctgtct ttggtcgact ccaatttgtt gattcttggt ctgaaattgg 420
tggga 425

60 <210> 255

5 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<400> 255
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 tcgagattcc aaacttttatc tacaaccagg atcttcaaca atgattattc taaatccaaa 180
 aacgagaaga gatgcatgta ggcatagatt gcaactataac aaaatgtgga gtctatgtga 240
 ttaatgatgc agctggcagc tcaagtggaa acacgatgac cccacaatgt tcttcaatgg 300
 15 attcactgaa gcttttagat ggtaaaggta aaaagagatt aagagttaac tatgctggtt 360
 taaaacaaag agaaaaagct ttatttcttt acatagcatg ttgctcggt ggtgagaagg 420
 ctgat 425

<210> 256
 20 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 25 <221> misc_feature
 <222> (1)...(425)
 <223> n = A,T,C or G

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 agacccaacc acttgagcgt cccgcttctt ctcttgagg gttccaggga cggagatgt 180
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 gacctcgaca cggaggagga cctggagcag accgccaccg ccgtccttga tccgccaag 300
 35 cctaagaaag gaaaagccgc tttggttctc aagagagata gaacaaggct taagagggtt 360
 ttgnaaatcc aaaagctaaa ggaaaccaa aaggagtatg atgtcaacac tgctatctct 420
 ttgct 425

<210> 257
 40 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<400> 257
 45 tcgagcggcc gcccgggcag gtacttgcac aagagattac agcagcactt cctgagaatt 60
 gttgtatcaa cattagcccg attcctacca cgagggtgta tctatacttt ctctggaaca 120
 aatctgaaaa actcgacttt gaatcatttt ccaccatttt ggtcattact tgaatttctg 180
 aggtttcacg tgaaatatca gcatctcttc ctctaagccg aaacagtga ttttctagtt 240
 ctttatcgga gccaaacttg gccagccatc ttggagactc tggcacgaag aataaaccga 300
 50 ttacttgaat gaagcatggt aaagcaccta ataaagccaa cgtcctccaa ttgatgaagt 360
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 atgta 425

<210> 258
 55 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<400> 258

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tgcgtaaaac ataaaatgtg tgcgctttat atatgtttca tagttcatgt gtgcgtggaa 180
gagctggatc ataaggaaaa gaagcacaga gcgtgtcgct ctcattctcc aaaaatcttc 240
caaggttgga gttttaatga tgtggaagga ggagaggctg gaagccgtgg ctgagacagg 300
10 cttcccatac tttgtccaaa tccgagagaa gaagggatgt gccacactca tgcgtttccc 360
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accag 425

<210> 259
15 <211> 425
<212> DNA
<213> Arabidopsis thaliana

<400> 259
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caaggcttca gaaaaagaaa aatgatgaac aagttccgga aggggtgggtg caatgtgata 120
agtgtgaagc atggcagcat ataatttgtg ctttgttcaa cagccgaaga aatcatggag 180
aatccaccaa gtacacttgc cctagttgct atatacaaga ggtggaacaa agagaaagaa 240
gaccattacc actaagtgtc gttccggggg caacaagttt accagttact tctcttagca 300
25 agcatctaga ggagcgggta ttcaaaaagt tgaaggagga aagacaagag agggctagac 360
ttcaaggaaa aacttatgag gaggtcccgag gagctgaatc acttactgtc agagttgtgg 420
catcg 425

<210> 260
30 <211> 425
<212> DNA
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<400> 260
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ggaaagaagt aacaaaacac aatagatcga cgattgagtc atgcatgaga atcgattgat 180
ggatcagcaa tttctggtgc agaagcaacg acgacggaat ccacggcaat cacctccggg 240
gaagccttcg ttgtggcaca cgttttcgca gtttgtatcg ctacgcatt tacccttgaa 300
40 tctttggctc tgcgacgcac acgtgctgtc ctcgaccgtg actggaccca tccctgtggc 360
gacgaatatc atcaccaaga aaagaacggc tgagatcaaa cgcatagaga acttcatgtt 420
tggag 425

<210> 261
45 <211> 425
<212> DNA
<213> Arabidopsis thaliana

<400> 261
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gtcaagccaa gtacttctcc aacttctcta ctctctctgt gcttccaatg tatagaggaa 180
ccctctgatg tatctcagtc ggttgatgat ctagtactct cgaatgtcca tcagaacctt 240
tccctccagc ttgttcaaca atgaaactca ttgggtgcaca ctcatacaaa agcctaagct 300
55 ttccattttt gctctttgct tcacgagggt acccgtaaat cccaccgtac aacaaagtcc 360
tgtgaaaatc tccaacaaaa cttccaatgt accttgcgga gtaaggcttc ccagttggac 420
caggg 425

<210> 262
60 <211> 425

5 <212> DNA
 <213> Arabidopsis thaliana

<400> 262

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	caaaatttca	tccagatatg	aatcatttac	agttaaaacc	aaaagatgga	acctttccga	180
	catttgagct	tccatatgct	caagcaagtc	tctgttctcg	actcctgata	gcgtcttcac	240
	tctgttttta	agttagttag	aatgagttcc	gctaataat	cgacccatgt	gtcaggaaca	300
	ccgggtaggc	accaatgcat	acagtcttgt	ccccatattg	ccaccgcgtc	ctgcttccct	360
15	aaccagatcg	ctgggtgggc	atctgctctg	aattcgctta	gatgggtcag	atcaagtaac	420
	ttgat						425

<210> 263
 <211> 425
 20 <212> DNA
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<220>
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 25 <222> (1)...(425)
 <223> n = A,T,C or G

<400> 263

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	agcagcatgt	ggattacata	tatgtatann	nttatagtnn	ttattcatat	cctgtaggct	180
	gtctttgctg	cagttatgct	ttgtgtccat	ttcttctttg	tctctttttg	tctcttcgat	240
	gcaagcatct	ggaacgggtt	aggccctcta	tagctctcct	ctttaatcct	tatcttcttt	300
	ttcttccctc	ggcatatttc	ttcatcccac	tcacccgcta	cataaccaat	gctgcttgcg	360
35	ccttcactct	tngatccctt	cttctgagaa	gctgaaattt	cctcatccca	tttggcaacc	420
	actgt						425

<210> 264
 <211> 425
 40 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 45 <222> (1)...(425)
 <223> n = A,T,C or G

<400> 264

50	tcttacatat	tatgatacat	acattgtcat	agtaattatt	caaacaacat	cgacaatctt	60
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	acatcatcgg	aggacttgct	ctcctcaaag	tcttcaatcg	gtaaaccgac	cttgtagcgg	180
	tatccccgag	cacaatacca	aaagtaaacc	agattaacca	cacccaaaac	cgcaatcaga	240
	taatagaagt	aatccaattt	tcccgcgttg	agattcctgt	ttagccaatc	cggacgatca	300
	tgcccaccgg	agaatttatg	aacgacagtc	acaaggaaac	tactaaggta	gctcgaaccg	360
55	gcgaacgata	annngaagag	agaattagcg	atacttctca	tgtgctctgg	aaactgactg	420
	ttgaa						425

<210> 265
 <211> 425
 60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 265

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10 atggaatata taaattatat ttacgttggg gctgaagggt ataaagaatt ttgatttgag 180
aatgtgttgt tgcttcatat catctccgtg gaggatcctg aatcagggtc atttcaactc 240
ccacgggttg ggattctctg aaagttccaa gcttttcagc ctccctagct atccgaacat 300
cggaaggctc gtaatactcc actagaaact tgatggcgaa tctaggaagc aatgatgtca 360
caactattgc tagcaagcag aaccagaaca tccatgtctt gccacttgg aaaattgccc 420
15 agtaa 425
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<210> 266

<211> 425

<212> DNA

20 <213> Arabidopsis thaliana

<400> 266

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25 agcagagcat ctctgcagg atgtatcaca ttatcatggg cctatgatta gacaaatgaa 180
acaactggta gatatctaca tcaagcttgc agagcttgaa acaaggagag aggataccaa 240
tagaaaggta gcactaccaa gagagattcg tagtgtgaaa caactggaac ttgtacctgt 300
ggtgactgca acaattcctg ttgatcgtag ctgccaatat aatgaagggt cattcccggt 360
tttcagaggt ttatcagatt ctgttacagt gatgaatggg ataatgctc caaaagtagt 420
30 tgaat 425
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<210> 267

<211> 425

<212> DNA

35 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(425)

40 <223> n = A,T,C or G

<400> 267

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45 gtagctgaaa agatgaggaa gaatgagttt ttcaacatgg atgataagaa gtgggatacac 180
atgattagag aaggtatcca acatgggtgt cttactgata ctaaagaatg cgaggagatt 240
cttgaggata tgctcaaatt ggaccagctt cttcctgatg acttgaagaa aaaggttgaa 300
gcaaagttta atgagcttgg agatatgtgt gaaagaggtg aaattgaggc tgaagcagct 360
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50 gctga 425
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<210> 268

<211> 425

<212> DNA

55 <213> Arabidopsis thaliana

<400> 268

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60 gctgttggcc tgggtattctt gctcatgaga gcaagtctgt tctcgttggt gtcataatg 180
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5 ctgttaatca ggctcttctg gcaacagcaa ttggactggg aacagaatat tttaggagtt 240
 tggtgcagag caattgtggt gtaagtgtat tggacttcat accaagagct gacggtggat 300
 ctcttcacgt atgtcttaat cgactaaatc agattcttga gttgggtgta aaatgttaga 360
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 agctg 425

10 <210> 269
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 <212> DNA
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15 <220>
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 <222> (1)...(424)
 <223> n = A,T,C or G

20 <400> 269
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 attcagcata atttatacat atacatgtag atacatgtat tgtgtattta tatatatggn 180
 25 nggttttata gtgtaggagg gatccagata tagccgtgag tctgaagata accagctttc 240
 tctagtagct gatcagcttc tttcggctct cggcttctctg gtttgtatgg gattgacttt 300
 acttctcctt tgctgaccc gtggagtagc ggcgtgaaga tctccacgc aacctttaat 360
 tcgtctctac gaacgaaatg ttgttgatcg cctttgattg tgtcaagaat taagcgctcg 420
 tatg 424

30 <210> 270
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

35 <400> 270
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 tgggttgata aaggcagttg gctgttaccg gtatcgggtga ttccattctt gggaccttct 180
 40 ttgtatctac tctacgacc agcagtgatc gagacgatag ctcccaaaga tactgcatca 240
 tctgacccaa atcaatagca acatcaactt tctcttttgc tcgatgacaa gactattgtc 300
 cagaagcccc aggaagattt cacaggaccg accatcatat ttctgatgca tgaatgctga 360
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 <213> Arabidopsis thaliana

50 <400> 271
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 tgggaggtcg ttgatttgca gaagttgatt ttggctcata atgacattga gggtttaaga 180
 55 gaagatctga agaaccttgc ctggttggtt gtgctaaatg tcagtcacaa taaactctct 240
 caacttccag cagctatttg ggagcttact gcgatgaagt ctttggatgt gtcctttaac 300
 tcaatatcag aacttctcga gcaaatttgg tcagcaattt ctcttgatca gcttgactgt 360
 tcaagcaatc ggcttaaaga attgccagat tctattggga gatgtttaga cttatccgat 420
 ttaa 424

60

5 <210> 272
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 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 272
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 actcttgttt tgactcatca ttataccaat tccatcaata gcggatcacc ttccgccatc 180
 tccctcacca atttaatgaa atcttgttcg ttcgagatgc tccaaggatg aactgcaggt 240
 15 gcttccgctg aatacaaaact caaagaagag ttttagcgaag ctggttctga cttatatacc 300
 attgagccta gaaccgggtc aaaattctga ggcgaatcca tcgataggaa gaacataggc 360
 acagcaactt tgtaatgcaa atccatatca ccaacgagat taacaagatc tgtaaagtct 420
 gaga 424

20 <210> 273
 <211> 424
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 <213> Arabidopsis thaliana

25 <400> 273
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 gattctgatc tctcttcttt ctcaaacaata cccgagagat cgaatccttg agacagcgaa 180
 gagatcaagt caaacgcgtt gtaagacatc gggtttacgg aaaaagctgc gtggacatcg 240
 30 ctgatcagtg agtcgatctg atgactttcg ggagatttag gcgtttcgat cttcttgaaa 300
 cccttttgaa accaggaatt ctccatgatt ttttcaatct tgattcttga attaggggta 360
 gggtcgaagaa tccgagacaa caacttcttg acctcgggag gaaaccaatt cggacatttg 420
 aatt 424

35 <210> 274
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 <212> DNA
 <213> Arabidopsis thaliana

40 <400> 274
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 tataaggaag aatctgataa gtgtattttg gctgttgatt tggctttgaa tgaatctttc 180
 aagaatggga agagaaaagc gaagatttgt gctgaatctg agaagaagaa gcgtctcaaa 240
 45 atatggaagg ggaagagagc tgttgaagat agtgacagtg atgatagcga cgacgaggaa 300
 gatgagaaat ctgttggtct aaacaatggt ggtcatgatg gtgattcatc tggtaaactc 360
 tcatgcaata gtggttcaga ggaagagaac gacgctgtaa tgcaccgcag tttcgaatgtg 420
 gtta 424

50 <210> 275
 <211> 424
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 <213> Arabidopsis thaliana

55 <400> 275
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 aattttaagg ctaatcctga ctacaaagggt gtttgccatg ttgcacttgc acaagaagggt 120
 cattgcaggc caggagaggt tttgttagga acagactcac acacttgatc tgctggagca 180
 tttggtcaat ttgctacagg gattggaaac actgatgcag gttttgtgtt aggcactgga 240
 60 aaaatcctcc ttaagggtcc accaacgatg aggtttatct tggatggtga gatgcctagt 300

5 tatttgcaag caaaggatct gattttacaa attattggtg aaatatctgt tgctggtgca 360
acttacaaaga cgatggagtt cagtgggtaca actatcgaaa gtctgagtat ggaagaaaga 420
atga 424

<210> 276
10 <211> 424
<212> DNA
<213> Arabidopsis thaliana

<400> 276
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tgaacaagta cactggagtt attggagcat tcaactgtca aggaggagga tgggtgcagag 180
aaaccagacg taaccaatgt ttctctgaat gcgtcaacac gttaaccgcc accacaagcc 240
ctaaagacgt tgaatggaac agtgggaagca gccaatctc cattgcaaac gttgaagagt 300
20 ttgctttgtt cttgtctcaa tccaagaagc ttttgtgtgc tggactaaac gatgatcttg 360
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aggg 424

<210> 277
25 <211> 424
<212> DNA
<213> Arabidopsis thaliana

<400> 277
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tctagccgcc gcttttctat tcgtaactta ctctcgtctc atctcccgcc gttttctttc 180
acctctattc cgtcgtttta gaaggtggcg atgccgtcga cgccgtctcc ttcacttattc 240
ttcagcttcc tctgcttcaa cttcatcctc cgatctccga tcattttcac ctttcccttt 300
35 cgactctttt cattactctt cttactcacc ttacggatta gacgattccg ttatcaaaac 360
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ctcc 424

<210> 278
40 <211> 424
<212> DNA
<213> Arabidopsis thaliana

<400> 278
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atatgatccc ctatagttat atacatacaa ataaatagat tgactggaat ttcagacatc 180
ggcccgacga tgatccattt ttcaaaagag cgcaaatttt tttacgttta cacatgcata 240
agagtttttt ttattttatgt ttgttagaat ctatgtgtta tacaacattc taccaaatgg 300
50 gtcttatcga atcgaagttt ttaaaataaa aaaaaaaagg tgatatgatt cgggtctcagc 360
cgatctaaaa aatcttattt ttttgaatat gaagaaataa agaagccatt gcacttgccg 420
gaaa 424

<210> 279
55 <211> 424
<212> DNA
<213> Arabidopsis thaliana

<400> 279

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 ttagtctcat cttatgtcac tcccgtcgac cttttctaca agcgaaatca tgggtccatc 180
 cccattgttg atcaccttca aagctactcc gtcaccctta ctggattgat ccagaaccgc 240
 agaaagctct ttatcaaaga catcagggtcc ctcccaaagt acaatgttac tgctactctt 300
 10 cagtgtgccg gtaacagaag gactgccatg agcaaagtta ggaatgttag aggtgttgga 360
 tgggatgttt ctgctattgg caacgctgtc tgggggtggg cgaaactggc cgatgttctt 420
 gagc 424

<210> 280
 15 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 20 <221> misc_feature
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 <223> n = A,T,C or G

<400> 280
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 tcaagtttgg tttcacatac tcgctacatt ggaattgtaa gtgagaacat ttctaatacat 120
 aactcacaat attaacactc actgagctat caaaatcaac gccttggtcg ttcctcagcc 180
 acgttcactt taattgctct gccttccaaa ttctgtccat caagagcagc aatggcaacg 240
 ttaacttcat tctcattcga catttgaaca aacccaaacc cacgtgaacg acctgtctct 300
 30 ctatcagaaa ccactcgggc atcaactact ttcccatgct cgctaaataa tcgttccaaa 360
 cgaccactat ccacatccca tggcaggttc ccaacataga tcctaaacgc agcatcatat 420
 acac 424

<210> 281
 35 <211> 424
 <212> DNA
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<220>
 40 <221> misc_feature
 <222> (1)...(424)
 <223> n = A,T,C or G

<400> 281
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 gtcttatgca agtgagtacc aagcacgnnt cattttagggt tactgttcga cgtatatctt 180
 tatgcagaca tttatgatac ctggaacgat ctttatgtca ttgcttgctg gagctctttt 240
 cgggtgtgggt agagggtttg ttcttnntgt ccttaatgca actgctggag catgttcttg 300
 50 cttcttctta tcgaaattgg tcggtaggcc attgggttaac tgggttatggc ctgaaaagtt 360
 gaggtttttc caagctgaga ttgcgaaaag aagagatagg ctgctaaact acatgctggt 420
 ctta 424

<210> 282
 55 <211> 424
 <212> DNA
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<400> 282

5 gccttctgac ttcgcttctg tcgctgctt caatcgcaga agcttacatt tactcaggag 60
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 ttcactgggtc taaatgtctg tgtaagattg aagcttcagg tggtagagctc actgagacgt 180
 tgcagaagac tttcccacct gattggagct cgcacatca tcaccatggc ttcttagatc 240
 aagtttctga tgttgactcc gatgaagatg atggtgatgg tgaagatggg gaggacgatg 300
 10 aagatgttaa ctctgtttcg gattttattat caccttaciaa gtaagaaaaa actgatattg 360
 taacaactta aggaaagagc aatatcagca tttttttgta attttgtttt cttgtgtttt 420
 acgt 424

<210> 283
 15 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<400> 283
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 aacagctact gatgtctttg ctgttgaaatg gattcatacc ggtattatac actttggaat 120
 gactgtttcc tactatgggt ttgttagcga tgttttgagg ctctctgaaa aataccaaaa 180
 acggtttggg cttttgcgtt actttgttgc tggattcctc aagttcatgt gtttgccgaa 240
 gtatagctat gaagtggaaat atcttccggc acaaaaagag gatgcagaag gcaaaattcg 300
 25 acttgaaaag gaagctgtgg atatgcaaga tctctacacg gatgtaatga ggagatcaag 360
 cagagaagga tttcctagag cctccagttt atcaagtatt gactccataa tgacccaag 420
 cgta 424

<210> 284
 30 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<400> 284
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 caatggagag gaaaatgact tcgttgatgt cttgcttggc ttgcaaaagg atgaaaagtt 180
 gtctgattct gacatgattg ctgttctttg ggaaatgata ttagagggga cagatacagt 240
 tgcgattcta gtggaatggg tgcttgcaag aatggttttg catcaagaca tccaagataa 300
 40 actctacaga gagatagctt ctgctacaag taacaatatt agatccttgt ctgattccga 360
 catcccaaaa ctgccgtacc ttcaagctat tgtcaaagaa accctaaggc tccaccccc 420
 tggg 424

<210> 285
 45 <211> 424
 <212> DNA
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<400> 285
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 aaccagcaag aaccagtcga atctgaacat cagaaggaa accagccgtg gcggcccgaga 180
 aaaccgtcgc gccaacgaga aacttcttga ggatttgga actggtgttaa gctcctttgc 240
 aggaagagca tacttgtgta tgctgatcaa atctatctag catctgacgc ttgggttaaga 300
 55 cagtggagg gagaggttgg ttagacgggg tggagccgaa ccattcaggc tgactcttac 360
 catgccgtct gagccagttt ctgaatgcta gaacaaaacg gtctgcctgg gttggagtga 420
 atgt 424

<210> 286
 60 <211> 424

5 <212> DNA
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<400> 286
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 10 gaaaaaaaaa aatcaaatct atgtgatttg gagtttataa aaatcatgaa atctttttctt 120
 tactaaatgt tcttcttcac tcttatttca ttaagcatcc acaattttccc atcaatattg 180
 ttttatactt tatatacttc ttcaagtcaa tctcagtctc atttcgaact tcttcccaac 240
 aagtaacgac agtttagaaa cctccacact tagaaacctc ggatcatcat tgtccgaaac 300
 cgtctttata agagagattc taggactcct caatctctca cttgtcctaa cctcgtacgt 360
 15 tttcacgttc tccacgttct cgaacccaac aaacgtcact ttcccgatgc tccatttcat 420
 tttc 424

<210> 287
 <211> 424
 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 287
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 25 ccccaagaca caaagcaaaa cgtcaagggg aaagataata aagagagggg ggttgcttca 120
 ctctaaagt ttttaaccac ctttgcttta agggaagcaa caggaagctt agaaagaacc 180
 ttctcatcaa acaccatgta atgtttcttc agtccttca acgtcttctc tgccactgga 240
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 atgtatacaa gagtcaagaa gttgaaccag tttcccacaa ccgagattat ccacagccca 360
 30 caaaccacca tgagaaattt cttcaagtcc cttcctaggg caatgctcct tagaataaca 420
 aagg 424

<210> 288
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 35 <212> DNA
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<400> 288
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 40 cgcttacggc gatctccacc aacttaaaca tttcgtcgaa cataatggct cttccgtctc 120
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 cggttgctcaa tatatcatcc agcatgggtg tgatgttaat tcagctgata atatacaaca 240
 gacaccattg cattgggcag ctgttaaagg ctccattgat gttgctgacc ttttacttca 300
 acatggagct cgtattgaag ctgttgatgt caatggcttc agggagttat aagttttgca 360
 45 tcaggcttgt tgctgctgtg atcataggct tcagattctt ctgactataa cgcactagat 420
 attg 424

<210> 289
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 50 <212> DNA
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<220>
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 55 <222> (1)...(424)
 <223> n = A,T,C or G

<400> 289
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 60 gaaatcaaga atgtgtgaag agtttatcgt ttannnggaa tctaccatag attataaaca 120

5 atacgaatgg tgccttcctt ctctgtggc ttctattgct gaaactactg taccaaacaa 180
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ccagttaagg cttccagcac gaagggtgga tgccttgctt ctcaaaccat tcaggcatgc 300
ggaaccgatc ataaagtgtc ggtcgtacat cgtcttcctc tgacagttgc ttcagaagcg 360
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<210> 290

<211> 424

<212> DNA

15 <213> Arabidopsis thaliana

<400> 290

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20 tcaccaatct atatatatac ttgttgaaga acccacaaga aaagaccctt tctaaaaggt 180
tatcttggac ccgaggggta atcgttttcg ataagggaat tggaataggg gatgagccag 240
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tgccattctt cccatctctc agctaaacca tctccttcca gcattctcac tacttctgac 360
atctttggac gttccattgc agaactttga gtgcagagca gagccatttg tatcagctgc 420
25 tcca 424

<210> 291

<211> 424

<212> DNA

30 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(424)

35 <223> n = A,T,C or G

<400> 291

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40 ttcacaagca aatgagctcg aagcgtgatg aagaaaccat tcccatgagc caatccagtc 180
cttactctcc caaaacnnta aagcatccca gatctctncc cagatcgctt cactatctct 240
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tcctccagcc ttctctctct cgtttaggcg ccgctgagtc cacctcgtta atcaccagat 360
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45 gcgg 424

<210> 292

<211> 424

<212> DNA

50 <213> Arabidopsis thaliana

<400> 292

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55 gcgagagata ctctctttct tagaccaaaag acttgcatgt gtgtaccagc tgatccagag 180
attcaagtca ctcatcactc tcgaccctta taacgtgacc aagacatgga ttggttcaga 240
catctgcagt tatagaggct tccactgtga caatcctcct cacaacaaaa ccgcagttac 300
tggttgcctc atcgatttca atggctttca gctctctgct ccatccatcg aaggatttat 360
cgatcaattc gctgacctag ctctgtttca tgtaaactca aacaattttg gaggtacggg 420
60 gcct 424

5
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 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

10
 <220>
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 <223> n = A,T,C or G

15
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 gcaatcttct ttctatctcc acttcctctc cctccggagc cgacgaccaa agtctcagct 180
 20 taaccctaga cgttcaccgt atttcaactc tagctaatta ccgcttccaa ttgtttctcg 240
 attccagcaa agacgcgttc tccgacttgc aaacactaat ctcactcgac gataaccgga 300
 gagtcgtnnn ctctgcaaaa aaatcaacta tgcaattcgt cggcgggtgtg gttatactag 360
 gattcgtatt tggttttgca attaggggtc ttgtgaaatt aggatcagct ttaaagggtg 420
 attt 424

25
 <210> 294
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

30
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 <222> (1)...(424)
 <223> n = A,T,C or G

35
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 gaaaagtctt ctcatccctc tccgagaaat caagggtggaa tgtaccatac cgaaagacga 180
 40 tggtagacta gcatcattcg ttgggttcag agttcaacac gacaatgcaa gaggtcccat 240
 gaaagggtgga atcagatatc atcctgaggt tgatccggat gaagtgaacg cattgggtcga 300
 gctcatgaca tggaaaacag cagtggctaa gattccttac ggaggagcta aaggagggat 360
 tggttnnnat cctagcaagc tcagtatctc cgagctcgag cggttgactc ggtttttcac 420
 tcag 424

45
 <210> 295
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

50
 <220>
 <221> misc_feature
 <222> (1)...(423)
 <223> n = A,T,C or G

55
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 taagacacta gaaacttctt aaatctcaaa agagatcgtg taggtcatgt gactcgatcg 180
 60 gcgagtccga gacggagaga ctccaagatg cgttcgaaca caagcacgtg gcaaggggatg 240

5 cgannnnctc cttgttgetc gtatccatac tcttgagccg actgcttcag caacgctacg 300
aaaacggggg ggttgagcag ctccgcattc accacgaacc gctccatctc gtggcctacg 360
taaacaggca cgtgcccctc gggaacccaa gatttgtgtt tctccttctt ggtgcggcca 420
cgc 423

10 <210> 296
<211> 423
<212> DNA
<213> Arabidopsis thaliana

15 <400> 296
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tttccaaaaa gatttgatct tttctgtctt ttggagcgat acatttaagt agacagatct 120
tggaattgcc atgggttgaa ttggatcgac ttagggtcgg tgttatcttc agagttatcc 180
gcagctgcac gatgttccga gtactttcca ttgaattggg aaacttccag atcaccccat 240
20 ggtgtagcag tgacttcttc cgttacatcg aaccattttg gagtaaaggc ttggcctttc 300
tcttcgcggg ttctcttttc agctctctgt ctctcttcca tgctgctctt ctcatagcct 360
gatttggaac tgtcgccccat ctcaagtgcg tatctatcag gtcgtaaccg tgaatcagag 420
ggc 423

25 <210> 297
<211> 423
<212> DNA
<213> Arabidopsis thaliana

30 <400> 297
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aaactaaacg aaaaaacaaa aactcttctt ttgcgggaat cacacaatct tctatgaccc 120
gggcttgat atctcaagg ataccatttg agtatacca ttgaacactg acttatccag 180
acgacctaaa cggattcgtt ggaacaaccg gtgcttgcca tctgctacga ttggtggagt 240
35 cgctcgagca gggtcatacc gcgactgatg ggtaaatgaa ggtcctgcga ccggaggtag 300
ctcccaatag acgtcaagaa ttgattcaac gtagcgactg ttttgaaaat gctgattgta 360
tgagatcggc gtgttagtgt ggttgaaatc atctctcatt tctcctttta cccccacca 420
tgt 423

40 <210> 298
<211> 423
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<213> Arabidopsis thaliana

45 <400> 298
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tgtgttggtg gacaattgcg acgtggactc tttgggtgtg taggccagcg attaaggctg 180
gggtgtgttt gtgtgcgctg tgtgtatgtg ttaaaaggaa aaggagggtt aaaaaatggg 240
50 ggtttctgtg gttgcttcgg gacagttgcc attcccgta acaacctcca caaccaacgc 300
tgctgttcca ccacaggcac aagactttac actgagaaca tctcacgcaa ccacatcaca 360
cgcaaccaca tctcacgcaa ccacatctca cgcaaccaca tcacacgcaa ccacatctca 420
cgc 423

55 <210> 299
<211> 423
<212> DNA
<213> Arabidopsis thaliana

60 <220>

5 <221> misc_feature
 <222> (1)...(423)
 <223> n = A,T,C or G

<400> 299
 10 attcgagctc ggtacctcga gcggccgccc gggcaggtga ttccgaccga aaacaagtaa 60
 aagagatgaa cacgatagcg aagcgagtta cgggggttgg gactcgtcen nnnnaaccag 120
 cagttgcagc aagagcgagg gataagagtg aaggtgttct ccaatgatct agacaaggca 180
 ctgacgattt tgcagaagaa gatgcaatcg agtggaatgg agaggctgat caaagggact 240
 cagactcatc acattaagaa ttcggagaag aaggttctcg ctaggaagaa tcttgaacgc 300
 15 agaatcaaat ccattgactt tgctcgaaaa ctccaatcaa tcctcatcaa gaaagtcaga 360
 ggtttatgag agctgaggtg aagcaagagt gctgctatgt tgatcagtag ctcggccgcg 420
 acc 423

<210> 300
 20 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<400> 300
 25 ggtcgcgggc gaggtacacg tctccgatct cttttttctt ttgtagcatc ctcttttacc 60
 cttaacgggt cccaatcttt tccgactatc gccggaatct tcaaacttga cgtcgttacc 120
 acatgaagca ttttgagatc cctcaacggc ggcgagggat gaggaggagg agatgggttc 180
 gaaggtatca agaacggaga tgggtgttatt gaaacacact aagatttttag ccactagatc 240
 ctctagaccg gaccgggtt gagagaggag ttgctgaagc tgagtgggta agtcatggcc 300
 30 ttcaacgagt tgggtcataa ctttaagctt ttttgcttta ttagtatcca tttgttagtt 360
 ttgaggaagt ttttggtgag tggatatcta tttttctttc cacctgcccg ggcggccgct 420
 cga 423

<210> 301
 35 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<400> 301
 40 gttttaagct cttttctttt taagagataa ataaaaactc tctacgaggt tttttttacc 60
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 cgaaaacaag agatgagaga tgcagacaaa catctttaca tgtctgtgta atgctgtttt 180
 taagacgaca cagcgatata tatattgcgg agacatgaga tatgtgaaaa cctgtaaaagc 240
 taagatcaat gcattggatg cctcgggtgat ctcggacgaa caggcgtctt tgaaggactc 300
 45 acccttatag gtaaagaacc aagaacaact ccactgcagt tgagagcagc tattgcgctt 360
 tccgccatta cgaactctac aaaagcaata cgagtcgagt gttgataatc tccaagcagc 420
 ctc 423

<210> 302
 50 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<400> 302
 55 aaagtaactt taaagactaa ttcacttata aaagtaacat agagatcttg atgccaatgt 60
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 taagaagagt cattcctcat tgtgacaagc tactttctaa gaggtctca gactcagaga 180
 gctgctttct tcacctcgaa aaaatttgag cgttctctgt ttgctgcatc aatgtcttct 240
 tgtgatgcca cggccactgc aacgccttta tctaatacag agtctattgc ctctgcgaat 300
 60 tccttgaagt ccttcaaact tgtagataat atctcttcac gccttatttg cctctcttcg 360

5 tcggttacat taagtaaattg cctcaacaaa ctggtataac ctttggcatc agggagttgg 420
tat 423

<210> 303
<211> 423
10 <212> DNA
<213> Arabidopsis thaliana

<400> 303
15 ccacgcgtcc gaatttgtgg aaatagtggg aaggagctgc taatgaagac ggaagaactc 60
ctagcgtctg ggatacaacc tcccactgtt ataattggaag taatggagat atagcatgtg 120
atgggtatca caaatacaag gaagatgtta agttgatggc agaaatgggc ttagaatcat 180
tcagattctc tatctcctgg tcaagactta tacctaattg aagaggacgc attaacccaa 240
aaggtttatt gttttacaag aatctcatca aagagctacg aagccatgga atcgaacctc 300
acgttacact ttaccactac gatcttcctc agtctcttga agatgagtat ggaggatgga 360
20 tcaaccacaa aatcatagaa gacttttacag cttttgcaga tgtatgcttc agagagtttg 420
ggg 423

<210> 304
<211> 423
25 <212> DNA
<213> Arabidopsis thaliana

<400> 304
30 cttttttttt tttttttttt ttttaagtat aacgagcagc accaagcggt ttatggtacc 60
agtaatacac atactatgca ttggggggaca agccattcat agagtctata taagtatcct 120
aacaattcaa gtaaaaacaa aacaggtatt gcattctaaag aaagataaca agaggaaaaa 180
accaaagaag agaaggcggg tttagcaggca gctgatgatc cggtttactc tcaatcatcc 240
tgtcaaacaa agtatgtttc tttttactga ctacacgtg acacgattat tccagtgatg 300
acttacaatt caaactcgtc ttcaagcttc agagcctcag cagcagcctc ttcttcctca 360
35 tctgtaacaa caaagtaagg gttatgcacc tctggcctga acttgtagcc agtaaacaga 420
tag 423

<210> 305
<211> 423
40 <212> DNA
<213> Arabidopsis thaliana

<400> 305
45 aagatgttct tgaagagggt tgtgatgagc taactaaagg aatcggagat gataagaagg 60
agatggagaa agagagagag atgatgcata tagctgatgt tttgagggaa gagagagttc 120
aaatgaagct tacggaggcg aagtttgagt tctaggataa atacgccgcc gtggagcggc 180
tgaagaagga gctccggcgg gttttggatg gtgaagaagg aaaaggggtc tctggagattc 240
gtaggatttt ggaggtgatt gatggttctg gttctgatga tgatgaggag agtgatctta 300
agtccattga gttgaacatg gagagtggta gtaaatgggg ttatgttgat agcctgaaag 360
50 atcgctggag atttgatggc tccggcggcg atgatgatga tgatgatccg gtggagaaga 420
gat 423

<210> 306
<211> 423
55 <212> DNA
<213> Arabidopsis thaliana

<400> 306
60 cctctagagc ggccgccctt tttttttttt tttttttt acacaaattt tctttgtaaa 60
cgaagtctga gcctgaaaag ttaataaaca aaccacaaa tggtgagaac acacacacgc 120

5 actaacatca accccaagtgc tcatagatta gatataaaat tcagtgaccg gcaccggccg 180
atggatttgt tagcaactca agtgacttct tgagatgttc tacagcagtc gagacttcat 240
caaaagccaa agtccccaca gcgaatctag cagccttgag tgccctctgca accttctcag 300
gccctggctg gtagctgcta tcgtaatggt acttctgagc tgaactcggg gcaggatcta 360
gcacgggagc aatattgata cgcccgcttg atgagtaagg tggaggagga ggagcagagg 420
10 aga 423

<210> 307
<211> 423
<212> DNA
15 <213> Arabidopsis thaliana

<400> 307
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ggtttcattc attctttagt tttctgttat tatttactta tattgttcaa ataaaccaat 120
20 ttaccaagaa accataacca aataaccgag gtaaatacaa gttctgacct gatcggtttg 180
gtttacgaga gtgaaccgag tttacttact tacttcctgg agacataagc aaagtattgt 240
gccatgggaa ctacaaaggc aattacaagt aatcctccaa cgacaagact gaactgtcct 300
cgcttctcat cggtttcttc tttcgtcttg aaatttgatt ctctcttgct atcctttacg 360
gttggaaccc cgggatctgg ttgaccgtct atagctgcaa ccaacctttt cgcactgcta 420
25 tat 423

<210> 308
<211> 423
<212> DNA
30 <213> Arabidopsis thaliana

<400> 308
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ttgccatata caattattct tcatgacctt tcccaataaa agagagtaat aattacagag 120
35 agatctaata tttatcctat atgagaaaaa gtacctgtgt gtgtttcaca gtttcatcat 180
acatcatcat gctcagagtg ttttggtgcg gtcatatgta gatagggtta atatcatttg 240
gtccaaaact tgctgagcat gttggacact tcttttgctg agttcctgtg agcttttgca 300
cacatggggt gcagaacaaa tggtagcact tcgtaatcac cacctctttt gggcgatcgt 360
tgcaggcctt acacttcaga atttctttaa attcactgag ttcttgctcg agcttttgaa 420
40 tgg 423

<210> 309
<211> 423
<212> DNA
45 <213> Arabidopsis thaliana

<400> 309
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atcgttcctt attaccacca tctgtttttg tctcatccca atagagaaat cttcagtcac 120
50 cgtcaccacc accaccaccg tttctgcaac aatctcttga atagaagaat tagtgttcct 180
cgaagctccg ctattagtga cgggtggtgc tctacaata ctctagtctc cgaggcggtg 240
aggcttttgg ttccacaagc aaactttgat tcttcaaagc ttaaagttaga gttcttagga 300
gagttattgg agaacaagag taacggagga attattacgc cgcgactta tattctttcg 360
cattgtgact tcaactgctaa cttaacgtta acaatctcaa acgttatcaa tctggatcaa 420
55 cta 423

<210> 310
<211> 423
<212> DNA
60 <213> Arabidopsis thaliana

5
 <400> 310
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 gcaacgagac aactttgtgg aagctgaaga tgcatacaga agagctttat caatagcacc 120
 agacaacaac aaaatgtgta accttggtat ctgccttatg aagcaaggaa ggatcgatga 180
 10 ggccaaagag actttacgac gtgtgaaacc cgcggttggt gatggcccta gaggcgtgga 240
 ttcacatcta aaagcttacg agagagcgca acagatgctg aatgatcttg gatctgagat 300
 gatgagaaga ggaggagatg ataaggttga acaaagaagg ctctttgatg caatctttgg 360
 atcttcctct atatggcaac ctcagccttg tagtgagcag actgtgaagg ctaaaccaaa 420
 gcc 423

15
 <210> 311
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

20
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 <222> (1)...(423)
 <223> n = A,T,C or G

25
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 gggttgggaa gaaggagaag gacttggtta agataagcaa ggtatcaaag gttatgtgag 180
 30 agttacgaac aaacaagata catctggtgt tggctctgat aagcctaate catgggcatt 240
 tgatacaact cagttcgata acattctcaa gaaattgaaa gtgcaagctg ctctaccaa 300
 gactagcaag aatgatgatg atnnagataa ggaagatgaa agtgaagatg atgctnnnaa 360
 atctgagcct gccaaagtga agaccgttgc taaagtcact cgtccacaag gaaggtataa 420
 acg 423

35
 <210> 312
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

40
 <400> 312
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 ttgagctgtg ttaacacttc ggttaaattc ttgcgccaca gcagattcga ctcgaaagcat 120
 aatctcgtta aacgtcgaat caatggagat tccggtgttc ggagaagcac cacaagcaat 180
 45 aatagcactg aggagacaga atcatcgctg tcttcttcgt ctgtagattg cgttggaatg 240
 ggatcagacg tggaatgcgt caataacggg gaagatgagg agaatcggag ctctggaatc 300
 ttgagcggcg gtgaaggaac gtttcttgaa tggacgggtc tgatttcacc cttctttttc 360
 tggggaacgg cgatggtggc gatgaaggaa gtgttgccca ttactggtcc tttcttcgtg 420
 gcc 423

50
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 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

55
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 ttgagaacct cataacacaa actttacaca tctgttatag aagcaagcca gcaatgtggt 180
 60 atctttgggc tcccatcatt cctcaccatc ttctcctctc tcacgcgtcat cgtcttcttc 240

5 tccctcttcg tcaccatcat catctccatc aaaatcctct tcatcagcat cattgttgaa 300
gtaggtgaga gggttggacc agagatcttc cttgataata tcagcaacct catcatgaat 360
ctcatcccca gcatcttcct tatgttgagc atcagtaaac caagtaaaga aactctcctc 420
tg 422

10 <210> 314
<211> 422
<212> DNA
<213> Arabidopsis thaliana

15 <220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

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tggtttccag ctctctggaa ttcaaaaaaa tggaggagaa atccaagtca agaggttggt 120
gcggttggtt catcgccatt attgtgctag cttctgttat cctcgccgtc gtttacactg 180
ttaaattgag aacgaagaaa tccggtgacg atgacgggtg cgggtccggt cctggacctc 240
25 ccggcgccat tgataagaaa tacgccgacg ctcttaagct cgctttgcag ttcttcgata 300
tccagaaatc tggtaaattg gagaacaata agataccttg gagaggagat tcaggtctta 360
aagatggaan tgaagataat ctggatcttt ccaaaggcct atatgatgct ggagatcata 420
ta 422

30 <210> 315
<211> 422
<212> DNA
<213> Arabidopsis thaliana

35 <400> 315
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aaagccactc caaatgaaat ctcggtggatc aacgtcttcg ccaattccat tccttctttc 120
aagaaacgtg cagagagcga tatcactggt ccagatgctc ctgctagagc tgaaaaatct 180
gcagaaagat atgctgggat tcttgaagac ttgaagaaag atccagagag tcatggcgga 240
40 ccaccagatg gcattcttct atgccgactt cgtgagcaag tactcagaga gttaggattt 300
agggacatat tcaagaaagt taaggatgag gagaatgcaa aggctatatc actatttcct 360
caagttgtca gtctgagtga tgctattgaa gatgacggaa aacggttaga gaatttggtg 420
ag 422

45 <210> 316
<211> 422
<212> DNA
<213> Arabidopsis thaliana

50 <400> 316
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ggagactatg ttgccgggca aatatcagac ttggctgaga agctcgagca agcggagagt 120
cagctcgcta actcccggtg tggaggaatt gcgccagccg gtcaccaaag gaggaaagag 180
gatgagcctc aactcgcgaa gataactcgg gatagtgcaa agataactgt cgagcaggtc 240
55 catggactaa tgtcacaggt tatcaaagac atcttgttca attccgctcg tcagtccaag 300
aagtctgctg acgactcatc agatccagag cccatgatta catcgtgaag ttggtctatt 360
cttttggttt ttggctgcgg aaattgacta tcggtttgac ccggtttatg aggcaatgcc 420
ca 422

60 <210> 317

5 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 10 <221> misc_feature
 <222> (1)...(422)
 <223> n = A,T,C or G

<400> 317
 15 cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tttttttttt ccaccgaaac atagttttat tcaaacatat atacgtcgtg 120
 ttacacataa caaaaacgta ccnnnatgat gacaagagcc ccagcaatta cacacatgaa 180
 aattcgtata cgacataaca agaaaaaacc cttgtttgga ttccacttc ttgggggtgt 240
 tgaaagactc taccttgccn tcattacccc caagcaaaag ntatttacct ttgcgagtaa 300
 20 gttcggggca ttcgaagccc aaaaccgggc cgataacttt ctgggcgtaa ttagccacct 360
 ctataggggt cttgccacca ccgttgacag tcatttcttc aggcaaacga tccaagaaag 420
 gg 422

<210> 318
 25 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 30 <221> misc_feature
 <222> (1)...(422)
 <223> n = A,T,C or G

<400> 318
 35 taaataaatt ttattttattt attctgaaat caaaggagat gagacttggc ttgggttttcg 60
 ttacaaagac gcggaacat taaaacggtt catatggtta nnaactctcg ttggctttgt 120
 ttcactcctt ttcacaacct ggagatggaa tagtccaatg catctacca gaaatctgca 180
 tcatcttttag tgaaacacat tgggtggctt atcctgaaaa cgttcccatg aagtcctcct 240
 tttccgacga gaatgccaa tctcttaagt tgctcaaaac agacagatgt ttcagccttg 300
 40 gctggtgtct tgtctttccg gtcactcaca agctcaatcc caaccattaa cctctctcct 360
 ctcacgtctc caatgatatc atgtcttttc tgcacatctt tcaaacggtg tataaggtgt 420
 ga 422

<210> 319
 45 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<400> 319
 50 gaacaaagca gatagggtttt tcctttgttg tttaaaaacg aaggttttaa ataacacaaa 60
 cgcagttatg tggaggaatc caaattccca gggagaaaac gaatagcaaa gaaacaactc 120
 caattgtatg ggagagacaa aagccaaaga tcaaatagata aaaagcaatt taagagaggt 180
 tcaaggaagc gagctgctcg gttgcaccac cagcagcgac actcctgaga acatccatag 240
 cctctgcaac tttggccttg agagcttctg gtgactccaa cagatggagc acttcagtct 300
 55 ggtccatctc caaaagcatc ccagtcactt tggctgcaga ctctgcctca acctgctcca 360
 ccaacgggta cagcacctca cccagcatcg tcctctgttg ctctggagta gcattagaca 420
 ga 422

<210> 320
 60 <211> 422

5 <212> DNA
<213> Arabidopsis thaliana

<400> 320
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atcctggtaa agaattgtgt atatgtttgt ctgaaccacg agacaccact gttcttccat 120
gtcgacatat gtgtatgtgt agcggatgtg ctaaggattt gaggtttcag acaaatcgat 180
gccccatttg caggcaacct gttgaaaggc ttttggagat aaaagtccac ggtaacaacg 240
gaagcgggaa taacaccgga cagggagaaa cagttgaaca agagtagcta aacacggccg 300
agtatggatt gaaatgccat cgaaatatta gtagtatatg catgtttgat ccttgtatgt 360
15 taacaacaaa atgtgtgatt gtcaattcat aatatagaga ttacgaaaaa aaaaaaaaaa 420
ag 422

<210> 321
<211> 422
20 <212> DNA
<213> Arabidopsis thaliana

<400> 321
25 ccacgcgtcc gattttatgc tagaatggaa tgcatacagga atgttctctca tcttctcaat 60
ggtctccgcc agttcgatcg tatttatata ctttttggta cctgagacaa aaggccgac 120
acttgaagaa atacaagcac tgctcaacaa ctctgtgcaa taatatcatt tttcttttc 180
tttttgggta aatgatcata tatataagtc gattgttgtt atttgggtgt agtttgaatg 240
tgatccgtgt gcgtatcaaa ttttggatgg gaaatttgaa acagtaaaaa tttgtatatt 300
cctcgttttg gaaaaatgta tgtttgggtt agttatatgc aaaaatgttg ttgaagaagt 360
30 ttatacataa aaagttaaat acaaaaagat ggtaagaaaa caaaaaaaaaa aaaaaaaaaa 420
aa 422

<210> 322
<211> 422
35 <212> DNA
<213> Arabidopsis thaliana

<400> 322
40 tttttttttt tttttttttt tttttttttt tttttttttt ttgattagtc ataaaaagcc 60
tatctcggat aaaagatcac aagtctctga taacttgaac aaaaaaaaaa aaaactcgg 120
cccaaaatct ttgaaatttg caaagataaa gaaggaagct ttcatcaatt cattctcctg 180
acaagctcgt tgatgaaatt ctccctgttt ccagcatcac caccttcgac gtagtggttt 240
ctcttcttct taaggccacc gagtgggtgc ttcaattgga atggccacag gaagtgtgtg 300
gcttctctga agtgaggtcc aacagtcacg atctcgtgga tgagatcctc aacgcagatg 360
45 atcccatgct ttccgagagc ctgatccaca atggagtgt cagtaagtgc tcggacgcgt 420
gg 422

<210> 323
<211> 422
50 <212> DNA
<213> Arabidopsis thaliana

<400> 323
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tttttttttt tttttttttt ttttgggttg gtgtgggtgt gtagtatcat cctcttcttg 120
atcttgaacg acgtttccgt caattcctgc tggaaaacca aacatattga aagaatggcg 180
gctgctgttt cctctggatg atcctccttt gcttagagac cggcctagag acgattttct 240
cagactagat tgtttgaatg attcaattga tgacatcttt tgctcctccg ctgcattctc 300
atcagatttc ttctcttctt gtagacgaat cagctgagaa taagctcctt ccgggtcctt 360

5 tagtagttcc gtgtgagaac ctttctcgac gatcttgcct tgggtggatca cagcgcggac 420
gc 422

<210> 324
<211> 422
10 <212> DNA
<213> Arabidopsis thaliana

<220>
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15 <222> (1)...(422)
<223> n = A,T,C or G

<400> 324
20 cgttacatta ataaagatga tgtacacttt tgagtttcta ctacatagaa gatatcatct 60
ccacgtcgac aaagatttaa ggaaannata aagagttact actaaaaaga tagagaaaaa 120
tgtgttaaaa ctttaagagt actactaaag actaaaatcc ctaattactg caatatgatc 180
ataataagga ttgnnnacaa aactaaagag tacttaatta taaaaattgt ttataactaa 240
gcctcggtgt tcctcaagca aatcgtcaaa ctttaatgct ttctagaaca acacttcctg 300
accctctagt gacatgttat tgatgatcat atcgtggcct tgctcatcaa agagccattt 360
25 ctcgaacaaa gaaagagagc cttgtgtaat tagaccatta atgtcatggt ctattagttt 420
ag 422

<210> 325
<211> 422
30 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
35 <222> (1)...(422)
<223> n = A,T,C or G

<400> 325
40 gagcggccgc cttttttttt tttttttttt ttttttaagt agcaaagatt ttatatctnn 60
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ctaattgcaa cgagccggag ttcttgtggt tgttatacag taacgcggtt ataaactata 180
caaacttatg catacagccc cataaagatg tggaatgaca aaaagaagaa attatcttct 240
gttttttggt ctacacaaaa aatatacata gcaagtgagt ttgtccatgt tcatatgact 300
gagaaacact gaatcggatt ttgtccacaa atctcacgct cttcttggtt ctccctcctt 360
45 cttcttcccc ttttatttcc aagggaactt gaatgtgtct ttccaccatc cttgtttaga 420
gc 422

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<211> 422
50 <212> DNA
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ctatcggaag caacatgtta agatcttgga atgtcctaac cgcaaacaca agctgcactc 180
tcttgggaga tttgagtcgg tttttgctcg ctagttcttt caaaatgctt agaaatggtg 240
tgatcccaat tcctcccgcc acaagaaaca gattatcata cctgagaaaa tctaccgagg 300
caggtccata aggaccttcc actcttacga ttatgttggt aatcttattt tcacaatttg 360

5 ccgctttcttc tattttgtta taaacagaat ttgtccaatc tccctcacat ttcatacataa 420
ta 422

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10 <212> DNA
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gaatcctctc taacaagcat tcaatagcaa caagtgggta ctacaaaatt acccttacac 180
aatagagttt acaactacat tcaactagaga aacttgtgtg aaagggttaa cactttttac 240
cgcggtttat actatgatcg ttgttttcga cttttcgcag tattctccgg tgtattagcc 300
ctaaagatgc tgacttcaat tcatggacat tctccaactt tctccgttag agcaaccttg 360
20 agttgatctt gcgtgaaaaa ctgattcccc attttcacag tcgcttggtg gatcataaga 420
tc 422

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<211> 422
25 <212> DNA
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gaaatttttag catgctggct gaggcaagat ccaaaccat caacctaca gatgatatca 180
caccacgtat cgtgccttat ccgttgcaaa tgctcaagac tcatgggagg actttcttta 240
catggttttg acccatacca acaatcacca taatggatcc tgagcaaadc aaagaagtgt 300
tcaacaaagt ttatgatttc cagaaggcac atacgtttcc tctgggcaga ttaatagcgg 360
35 ctggactcgt tagttatgat ggtgataaat ggacaaaaca ccgaagaatc atcaaccggg 420
ct 422

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40 <212> DNA
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atttcataat tgggtatactt tgttcatcac agaagaaatc cattggatca acatttgttt 180
taactctcac caatctatcg aaattgttct tgaaatactt cactcccaa acctttgctt 240
cctcgtactt tgtcttcata ttcaaccaa gatacattcc caaatcaatg tctctaaaat 300
taacataagc tcttcgtgga gattttgaaa cataaggagt cataaattcg tatacactct 360
50 cgacccatct caaatacttt tcagtattag tcttgttctt atcttcttct tcaactcaat 420
aa 422

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55 <212> DNA
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5 cggcgtctcc ggcctcttta tccctaaatc cgggtaccaga tccgcccgcta aagctgcttc 180
 gggtcttctt ttcggcgctca acgcagcgat cgggttacttg ctgatgcttg cagctatgtc 240
 tttcaacgga ggtgttttca tcgcgattgt cgtcggatta accgccggat acgctgtttt 300
 tagatctgat gacggcggtg ctgataccgc cacggatgat ccatgtccat gtgcttgata 360
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 10 gt 422

<210> 331

<211> 422

<212> DNA

15 <213> Arabidopsis thaliana

<400> 331

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 20 aattgctcct ccaccgaaag catccgacgc gcttcctctt ccgttatatc tcacaaacgc 180
 cgttttcttc acgctcttct tctccgtcgc gtattacctc ctccaccggg ggcgtgacaa 240
 gatccgttac aatacgcttc ttcacgtcgt cactatcaca gaactcggcg ccattattgc 300
 tctcatcgct tcgtttatct atctcctagg gttttttggg attgactttg ttcagtcatt 360
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 25 cc 422

<210> 332

<211> 422

<212> DNA

30 <213> Arabidopsis thaliana

<400> 332

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 35 ggattcgtat gccaatcatt tgcgcagctc gagtttttca attgaccaga gagttaggtc 180
 acaagtccga tgggtcaaacc atagagtggc ttctccgtca agctgagcct tctatcatag 240
 ccgccactgg aactggcact actccggcga gtttctccac tgcttctctc tccacttctt 300
 ctccggtttac tctcgggaaa cgtgtcgtca gagcggagga aggagaatcc ggcggcggag 360
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 40 ct 422

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<211> 422

<212> DNA

45 <213> Arabidopsis thaliana

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 50 aaagtctact gatctaagac cgaggaaggt tctagagaag ccgagaagcg aaacagtgtt 180
 tctcggagtc gctcacgtac catcctatta catagcagaa ctggtggtag aatcagacgt 240
 gaaaggagtc cgcttttgtt tcaagcctgt gctaaagatg gttcatgggg caagctggat 300
 ttttatttat tttacaccat cataatcgct tcatattgatt tatttttggt tggtcggtaa 360
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 55 tg 422

<210> 334

<211> 422

<212> DNA

60 <213> Arabidopsis thaliana

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 <223> n = A,T,C or G

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 gnttttgtct ctctctctcc ttccatggat catcttcaga accatctaag gattttatcc 180
 15 gaagctcttg gacccatcat gcgtcgtggc tcgtctttg ggttcgatgg tgagatcatg 240
 ggaaaattga gtgcacaaga agtcatggat gctaaggctt tagctgcttc aaagagtcac 300
 agtgaagctg agagaagaag acgagagaga atcaacactc atcttgctaa gctgcgtagt 360
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 at 422

20
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 <212> DNA
 <213> Arabidopsis thaliana

25
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 <221> misc_feature
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 tctgcaacgg accagagata agcctctatt tccgttgctt tctctcatt ggtctcttta 180
 35 atcagatcct tctcagttcc gttactacgg tcgaccccat cccagtgtct acccggttta 240
 atcccatacc ggtttgatgc agcttccaac cgtctcgtca accaactatg tttaggcaca 300
 ctttggtgta taatgaaccc agattttttc atctctcat cgtctcctag atccacaaga 360
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 t 421

40
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 <211> 421
 <212> DNA
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45
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 acatgaaaaa tatatttaaa atataagacg tttcagacat tcgaattcag gacaaattgt 120
 ttaataagtt ggacagaaga aacatcacct tgatttaaaa aaaaatactt tgaagaaaag 180
 50 atgaacatta ccatcatcat catcagtaag tttatagaca gagagatctc tgtgtttcat 240
 tgaacttctca ttctgctggg ttctgctgcc ctaacttggg cgaagtaagc gtgcgccatg 300
 gcttcttttg cagttaatct gtcttgatga tcataccgaa gttagctgtc gaggaaatca 360
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 c 421

55
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 <212> DNA
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60

5 <400> 337
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 tcttctacct agacagacca taccagtgat gcaacaagaa aacagaccaa acaatacata 120
 aatagtttat tctggaatta gtgagcctta tgagaatctg ggttttgctg agttgttggc 180
 tactcgacag gcggcttggt gcattttaca agtttacaaa gtaagtgata aaaagggacg 240
 10 aaccttgaca atgttataag ctgtcatttg gtttcttgtc atttgagcaa gactccaggt 300
 atgagatcac aaggctcagct gctttgcaac ctgatgctat tgatttccca acagagagcc 360
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 c 421

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20 <220>
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 <223> n = A,T,C or G

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 agaaactcaa catcggtggc gcaaaggcac aaggtcatgc ggagaagacg atggcaagga 180
 ccaaaaaaga gaagaagttg gcccaagagc gagagaagtc taaggaggcg caggccaaag 240
 30 ctgacctcca tcaatccaag gctgagcatg ctgcgagcgc tcaggttcac ggccaccatc 300
 ttcccggtca ctccacntan nctacccgag ccaccggagc taattaccgc cggggacaga 360
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 a 421

35 <210> 339
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 <213> Arabidopsis thaliana

40 <400> 339
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 ttctctcatg tagtcatctt cctcttctct tcatccgtta acgcttggtg tcgatgtctt 120
 caccgttcta aagcagctta tttctctctt gcctctgctc tctcttcttg agcttggtgct 180
 tatggctcta tggctacgag tttcttcgcc ggacatatcg ctgcagctat cccttctatc 240
 45 tacaagacg gtgctggctg tggagcttgc tttcaagtca gatgcaagaa ccctaagctg 300
 tgtagcacta aaggaaccat tgtgatgatc acagacttaa acaagagtaa ccaaaccgat 360
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 g 421

50 <210> 340
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55 <400> 340
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 aatctctttt ttagtttcag accctaaatc ctaggttttg aagttttgtt tcttttagtaa 120
 ttttgtcagg ttttgtgtct ggtgttggga tttttcggag cttggtttct tgaaccagct 180
 ccattttcta aaaattcctt ctttaaattc ccattgttgt aagtcttaaa gaaaaaagaa 240
 60 gatgacttgt tgtttctctt gtttgaatcc tcgaaccaag gacataagag tcgacattga 300

5 taacgctcga tgcaactctc gttaccaaac cgattcatca gttcatggaa gtgatacaac 360
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t 421

<210> 341
10 <211> 421
<212> DNA
<213> Arabidopsis thaliana

<400> 341

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tcaacaattg agtttgtttt ctttctaccg aaaagaaata ttcaataatg ttaaggtttt 180
gaattgagtt tgatcatata aggttgagac catattgtaa aataataaca gatgacttca 240
tgcccctgta agccgcaacg cctcagcgaa taactccttg agagaagcgt ttgaagccgc 300
20 gatcctctgc gatgttatgt ccaaactctt accggatgga tcaaagatga gtccaccagc 360
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g 421

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25 <211> 421
<212> DNA
<213> Arabidopsis thaliana

<400> 342

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aaacagttgg aaaaggctca aagcgatgtg gcacagaaa actgggacta cctgagtaac 180
attgttggtg tccaagagag aaaactccct tacatcgtct cccgatgccc caaaatcctg 240
actttacgcc tcgatgagag actcatcccc atggtcgagt gcctctccag tcttgggaagg 300
35 aatcctcgtg aagttgcttc cgccattacc aaatttctc caatactctc tcatagcgtg 360
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c 421

<210> 343
40 <211> 421
<212> DNA
<213> Arabidopsis thaliana

<400> 343

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aatgagttcc tgagctcctc atccaaagga tcctgtccta gtaaataatt aacaatctga 180
gtagttttct tcttcatcaa agaatcccta aatcatactt tgtaattctt gtggcataat 240
ttcagaaagt agaaagttag atcgaagtaa aaagaagcta ataaataaag caagcattta 300
50 gggatcagat ctttcaaaaa aggggcctat tcaactctta tcttcttttt gctcaccatc 360
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g 421

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55 <211> 421
<212> DNA
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<400> 344

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ttcagaagca ttctttgtaa tggatgtcac agacgaggag aaggactcca aagtgttctt 180
tacagcattt tctccttggt taagtgaaga gctgaaggac tccttgaccc cagaagaaaa 240
gtcatcaacg ctagcttttcg catcaggaag tgaagagctg aaggactgct tgagcccaga 300
10 agaaaagtca tcaaagctag ctttcgcac aggaagtga actgaactat ccggagatat 360
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a 421

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15 <211> 421
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<213> Arabidopsis thaliana

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gtaatgaaat atctaaaatg tttgcccac agagtaagat aatgatcggt gtttgagat 180
cacatggcca ttggttcagg accagcagcg ttcagaatgt ctaagagtga gttttggggc 240
tccaattctt cgtgccaaag ctgcaactta tctccagggt aaaagtttct cgtcactccc 300
25 tctgagttga ttatgacagt ccgtacgaca ccaccactgg ctccatcacg ggcgatggct 360
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g 421

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30 <211> 421
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<213> Arabidopsis thaliana

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40 tgcaaatcag tagccgtttg gggatagcaa gacattcgac atggttgatc aaataagagg 360
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a 421

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45 <211> 421
<212> DNA
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agagcagcca tcccttctt gaagttagta ccaactggag atgcatagac aatgaatgta 240
tattcaggtg caggacctaa accaagaatt ggaccacttc ccatcaacaa aggcctaattg 300
55 taaaaagtcc ctttccccc cgttggtttg caagagcggg ttgtttaatt gcattaacaa 360
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c 421

<210> 348
60 <211> 421

5 <212> DNA
 <213> Arabidopsis thaliana

<400> 348

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	attaaaaaag	aattcgatga	caaaaagaact	ctctctcttt	gttcggttaca	gcaaaaacaag	120
	aagattctca	ttctctgttt	ttgattatac	aaaaaaaaaa	aaaaacatgt	ttgaaaatcc	180
	atgtcaagct	cgagatctct	ccccctttcc	acgttttgag	tatcggaggt	tatcttcaact	240
	cacatcacta	accaccaccg	gtggtgatcg	cgcgtacctt	gacgggttcc	tcttgaaatg	300
	cctatcttca	tcactagatt	cataatctgc	tacttctatt	tccttccgac	tactgtgtcg	360
15	gtgaactgat	gttcccacgg	cggctgcggc	agaggcggaa	gcagatggat	cggacgcgtg	420
	g						421

<210> 349

<211> 421

20 <212> DNA
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<400> 349

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	aatcgtttct	ctcaaattta	gggttttctc	ttttctcgaa	agtcttgccg	ttttctgaat	120
	catctctatc	tggtttgagg	gtttcgtttg	atatctggag	aaaggggttt	ctggaaacaa	180
	ggagttcata	attcgcgata	ttgatctatc	gatcttcatt	tatatataaa	agcgtgaatg	240
	agattatgat	ggagtcgaaa	ggtggtaaaa	agaagtcag	cagtagtagt	tccttatttt	300
	acgaagctcc	cctcggttac	agcattgaag	acgttcgtcc	aaacgggtgga	atcaagaaat	360
30	tcaaattctt	tgtctactca	aactgctcca	agaggccatc	ctgagtacct	cggccgcgac	420
	c						421

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35 <212> DNA
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	tgtacactga	cttctacaat	ctttgttgca	ttgtttattc	agaacccta	actcctacac	120
	aggtaaaact	taaggagaga	tgagcttata	ggttttgggt	tgagcagagg	cagtctactc	180
	ggcgaagag	tggtcattca	attgctcggt	tggaagcggc	tcaaccttct	cggccttccc	240
	gtctttcttt	gggattatca	gaccgtaacc	tccttctttt	ctcttgatca	ctatgtttat	300
	ctcaccagtt	tcttcatttt	ggaagccata	gaagtcgtga	ctgactagtt	ccagctgctc	360
45	gactgcctca	gcgacagtca	atgggtggcat	ctcgaaagtc	ttggtacgga	caatctcctt	420
	g						421

<210> 351

<211> 421

50 <212> DNA
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<220>

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55 <222> (1)...(421)

<223> n = A,T,C or G

<400> 351

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5 gcaaactcaa acttctcagc ttatttagta tttgtctctc ttaatagttc tatctctttt 180
gaccgttcgg tcgtcaccgt gaagcctcat atacatggta ctgaggatct ttcaccagtc 240
cgcttctcca tgtttgacc gttataccca aatgttcaga agacttttaa gtttggtgaa 300
agcaaagtat gttctttgtt ggaaatggaa agttgagaga tcttcaatgg cagagtgcct 360
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10 c 421

<210> 352
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15 <213> Arabidopsis thaliana

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<222> (1)...(421)
20 <223> n = A,T,C or G

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ccttcaccag atggagaaat tcaacccccca acacttctct ttcggtctct ccaagctata 120
25 cggcccgatt ttcacgatga aaatcgggtg cgtgcgctc gcggtgatct cctcggccga 180
gctagccaag gagtactca aaactcaaga cctcaacttc accgctcgtc ctctcttgaa 240
agggcaacaa accatgtcgt atcaaggccg tgagcttggt ttcggacagt acaccgcgta 300
ctaccgtgag atgaggaaga tgtgtatggg gaacctcttc agcccgaacc gtgtcgcang 360
30 tttcagaccg gttagagaag aagagtgtca acggatgatg gacaagatct ataaagccgc 420
t 421

<210> 353
<211> 421
<212> DNA
35 <213> Arabidopsis thaliana

<400> 353
caagaaacta accgaatccg ctctgaaaaa atcaccggtg aatctgaaga agaccctttt 60
cacgctagtc gcgagtatcg tgtgtaggct cgcgttcggg gtgaatatcc acaagtgcga 120
40 gttcgtagac gaggacaacg ttgctgatct agttaacaag tttgagatgc tagtcgctgg 180
tgttgccctc actgatttct tccctggagt gggttggctt gtagaccgaa tctcaggtca 240
gaacaagaca ctaaacaatg ttttctcaga acttgacact ttcttccaaa acgtgctcga 300
tgatcatatt aagcctggaa gacaagtatc tgagaaccct gacgtcgtag atgtgatgct 360
45 tgatctaatt aagaagcaag agaaagatgg agaattcttc aaactcacia cagatcatct 420
c 421

<210> 354
<211> 421
<212> DNA
50 <213> Arabidopsis thaliana

<400> 354
aagctgaaga agaagttgaa gaactgaacg gatacgaagg tgacgatgga gaagaagatg 60
acgatggaga agacgatgac accgagtcga aatctcaaac gcgcgaaagc ggatccagtg 120
55 tagacagaat caaggcggaa tcgctattcc gtcggatgag agctgctcct gtgccggtgc 180
gtgttcacga cgtgattatc agtggaaaac agaagactaa ggaccatata attgaagcgg 240
aagtggatgc tgtgagagag gcgaccacgt tgcaagagct tctcgaagca tctaggggtg 300
ccaattcgaa tctccgtgag ttagatatct ttgattccgt caacattacg cttgattctg 360
60 gtcctcctga gcttctcgtt actaccaatg tggaatcga agtcgtcgag agcaaaaacc 420
c 421

5
 <210> 355
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

10
 <220>
 <221> misc_feature
 <222> (1)...(421)
 <223> n = A,T,C or G

15
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 ggtttggtt cggtgtctct tcctcttacc tctgcttttt ggttcagagt atttgaattt 180
 20 tggggaatat taaaaattgc ctgatactga aatcaatctc ttgctgtcta gtgatggcta 240
 ctgaagagaa gcctcttaat tctcttgatt taagccatga tgattcttcn nctgcttcaa 300
 atcaggctga aggatcatct gctataactg aagacacttc tgcgaatgtt caacaatgga 360
 ggcgaaagaa tctctcttta cagataccct ctagagcagc tggctctctt cctgaagatt 420
 c 421

25
 <210> 356
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

30
 <400> 356
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 aactcttct aaacctttt tgttcacatt tcctctctt tctcttctc cgtctctctc 120
 tgaaaaacc taattgactc gttgcgattg aaatggatcc ttgtccattc atccgtctta 180
 35 caatcgga cctagctttg aaagtccgt tagcggcgaa gacaacgagc tccgtcgtgc 240
 atccgtcgtc ttctccttgt tttgtaaaa tcaaactcaa aaacttccc cgcgaaccg 300
 ccgcaatccc gtacattcct ttggagacga ctcagtttcc ggagatccaa accctagccg 360
 ccacgtttca tctcagcagc tccgatattc aacgcttagc ttccagatct atatttactt 420
 c 421

40
 <210> 357
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

45
 <220>
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 <222> (1)...(421)
 <223> n = A,T,C or G

50
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 gtaaactctt cgcagaagtt ccctggtttt caatttatca ccataccaga ttctgaactc 180
 55 gaggcaaatg gaccagtcgg gtctctaaca cagctcaaca aaattatgga ggcaagcttc 240
 aaggactgta taaggcagtt gttgaaacaa caaggcaatg atattgcatg tatcatctac 300
 gacgagttca tgtatttttg tggagccgta gctgnagnag tgaagcttcc caatttcac 360
 ttnnntactc aaactgctac acataaagtt tgctgcaatg ttttaagcaa acttaatgcc 420
 a 421

60

5 <210> 358
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 358
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 tggaatcgat tttgtttcat ttcaaggaca aaaacatata caaatactga tacaggagaa 120
 aagtatctct ctacaagtca gtgaacaaaa agaataataat aggacacaat catcgctctc 180
 tgatttctca aaaagctgaa ttggccacgt ctaaggagga gacatcatct cttctcagaa 240
 15 gctgatactt agttaatcag agagaagtaa atctccctct ctttcattcc ataaggcggc 300
 attttgctct ggaaaagcat ctcgagatcg cttttctagg gtccagcttg aaatggaaag 360
 ccaccattca tctgtcgcct cacatgctct ggtattagcc tgttgataag ctccggtgaa 420

20 <210> 359
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

25 <400> 359
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 attgacagag tcacagattc tattttttcc tctctctctg ctctttgttg atctgtctgt 120
 gtgggattct tccttttagt cctctgttga tctatccaat cgaatcttac gaaaattttc 180
 gagtgaagat gaggtcgtct caagcaccgg ttgtttgccc tagtggtcgt ccagacaaat 240
 30 tgggtgtctc tgctttactt gtcaactgct ctgtttcgaa aactaggagt ctcaaaaaac 300
 aattctgggg taaccagacc aaaaatgaca agtctcaggc tgctacagtg aatcttcgtc 360
 tgcattcttcg gaggtataag agtatcaaat gtcttttcag ctgcactct gatgggtacct 420

35 <210> 360
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

40 <220>
 <221> misc_feature
 <222> (1) ... (420)
 <223> n = A,T,C or G

45 <400> 360
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 gcggtgaaga ttgaaaggat cggtggaagg aaacgcggtg gatctgttgt gtcgagggag 120
 aagctagatg tgtggttgag agattcgggtg gttgagatcg tgaagaatct tagagagtcn 180
 ncgttattga tgcatttata cgcgagggct aatggtggtt tgacgacgac ggcaacgaat 240
 50 ccaaaggcgg aggattggac agagatggaa ggaaagtggg gtagaggaga agagaggacg 300
 ccggaaggag ttatattggt ggagaagctc gcagacggtg acatagcaga tgatgatgat 360
 cacgatggtg gcgcgtgtgg ggaagataca agcgcgtggg ggattgtggc gcaaggaaga 420

55 <210> 361
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

60 <400> 361

5 ccacgcgtcc gcaagaaata ctctgcgat attcttcggc tctggtgcag ggagcaacaa 60
 atgtgttctg gatagacatc cagacaaata cgaggcgctt ccaaagtctc ttctcggtatc 120
 tcttgaggga agttgctttg gagcagatac gattgaaaaa aattcccatt caggctcaga 180
 gggaactgta tctcttactc tctaggttca ttttctttta caattcagtg gataaactcg 240
 atagcttctt gaggaacttc ccagagtttc caaatgcttt cttgattgga ggacctggag 300
 10 atttccttgt tatcgaaata actgatcagc tgcaaaaact gaagggtgga ccagtgtctg 360
 tacattatct ttctcagatg aagattcttc aagggtatgga actgagaatg actactagca 420

<210> 362
 15 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 20 <221> misc_feature
 <222> (1)...(420)
 <223> n = A,T,C or G

<400> 362
 25 aatcctcaca gcagatcacg tgctaatacac atggctccgg ggcttactca aaccgctgat 60
 gctatgtcca ccgtgacgat aacaaaaccg tcaactgccat cagtccaaga cagcgatcga 120
 gcttacgtga cgtttcttgc tggaaacggn nattacgtga aaggagtcgt tggtttagcc 180
 aaagggttaa ggaaagtcaa atcggcttat ccactcgtag tagcgatgtt acccgacgtc 240
 ccggaggaac accgtcgtat acttggtggat caaggatgca tcgtccgtga aatcgaaccc 300
 30 gtttaccac ccgagaacca aactcagttc gccatggctt attacgtcat caactactct 360
 aaactccgta tctggaagtt tgtggagtat agtaaaatga tatatttaga tggagacatt 420

<210> 363
 35 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<400> 363
 40 cttttttttt tttttttttt tttatgtcat tgtctttttc atttggttat aaacgtccat 60
 ggaaataaca ttcggtttcg cgtaacaac aaactctgaa tgtgatgttt actttgcagc 120
 aacaaacttg aaaatatgaa caaaggtccc aaagaaatga acaaaatgag cagctttcat 180
 tccatcaaat acttcatccc ataagtgtct tcatcttttc attggcaacc acgagttccg 240
 ctgatattcc tggctcattt gccgagtgcc cagcatcata aacaatcttg agttctgcct 300
 45 ctggccatgc tttgtgcaga tcccaagcag acatcatagg acagcatacg tcataccttc 360
 cctgaacaat ggtggtcttg atatgtcgta ttttatcaac attgtctagc aagtgtgagt 420

<210> 364
 50 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<400> 364
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 aaacaaagcc aaaagaaatt gaaaactcaa tgagaaacga aagcattata ttgcacataa 120
 ttataaagat ggatttgtat taataagcat ggtaaacctt ccgacagatg cgctgatct 180
 ctcccttggc gcctgtcaac ggagagatat ttcccatctt taccatcgat atagcaaaact 240
 gctcaaagaa ggctcttga ttctcagcgt atagctccac cagctccttg gactgtttgt 300
 60 tcttcgtgaa cagaatctca tcagagctca atagaccttt gtacattatc aggttcttga 360

5 agtagtggtt gtcaaacttg aacggtgtcg cgaagtcgag gaagaatagg gtctggtcac 420

<210> 365
<211> 420
10 <212> DNA
<213> Arabidopsis thaliana

<400> 365
15 tttttttgct taaaggaaat atatatgcag acacaacaac caaaaacaca agctggaccg 60
accattgacg gtctgctact gactacaaca agtttttccg caaaaagaa gaaaaatatt 120
gttaaccagt ttggtgtatc tgattatcaa atcaagaaaa aggtaaattc actgggaaga 180
cacaaaatat caaaagctga aaactcaaaa acctcttctg aaaatttgcc actaagtggg 240
ttctagattg tggagacctt ggggacttca actgggaact catgaatttc atccatccat 300
gggttcttct ctttcttagg gtttaccgac cttaccgctc tccaaaccga gctggtgcac 360
20 ttgaaccccg aaccaaagc tatctgccaa attctatcac ctttcttgat ccttcctttg 420

<210> 366
<211> 420
25 <212> DNA
<213> Arabidopsis thaliana

<400> 366
30 tttttttttt ttttttgaca atacaaccgc taatgactca ttaaaagaaa tctctaacta 60
aattctacaa aattcatttt gaaaaaaatt gctacaatac atggaatgaa gatttcctgc 120
tctaategac gcttcattca ctcttcttct ccgacataag aggtagaagg caacctgaat 180
ttaatttcaa agtatctctt ctctctctctc aagttacata atgttacct cactcttctt 240
cttcttcttc ttcttcttcg gaagattctt ttgatttctc gatttctgtc acctcgtttt 300
ctgaggttgc tgtgtcgtct atcttctcat catcatctcg tagtgtctgg cttgacgctt 360
35 gaggatctga tgtccgagta tggcttggtg gttctggagc actcgagtcg gacacttgag 420

<210> 367
<211> 420
40 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
45 <222> (1)...(420)
<223> n = A,T,C or G

<400> 367
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tatggtcagc aaancngtac cgacacatca tgggaacatt aggaaaacta aacctcaagc 120
tcatgaggtt attaaangtt ctttttataa caaaacttct ttattcgaaa caagctctc 180
actgattaaa ccagctgaga aaagaccggt ttaagagagg catgagtaag caaggctcct 240
ctcttccttc aactcctctg ctgtcaaadc catcttcttc ctcgatgcgt catcaatcgg 300
taaaccttga acaatggtcc actctccatt acggcagggt acggggaagg agtagataag 360
55 tccagctgga acattgtagg atccatctga gtatactccc attgaaacaa atgtgccttc 420

<210> 368
<211> 420
60 <212> DNA

5 <213> Arabidopsis thaliana

<400> 368

	tctagagcgg	ccgccctttt	tttttttttt	ttgcacgcaa	agatcaaacc	ccttatgaca	60
	tctgagctta	tgaggcaaac	gtacacgagt	attgtctagg	gttttcagaa	aaaaagagga	120
10	aaactcatat	tccgagtcca	cagcttctgg	gctacatgca	gactcgtctt	tgtttgacaa	180
	aacacatccg	tttgacgcta	ctagacaaca	tgtacattcg	aagttgtgaa	tcttccgatt	240
	aagcttagga	atcacgataa	attgattcta	ccgattaagc	ttaggaatca	cgataaattg	300
	attgagccat	ccacttcaga	tgcagctgaa	gcttgcccgt	tttggattcg	tctaattgggt	360
	accagtcttt	gtactcctct	tccattataa	cccttgtaaa	cgtgaggata	catctcccaa	420

15

<210> 369

<211> 420

<212> DNA

20 <213> Arabidopsis thaliana

<400> 369

	gcgcccgcaa	aagttatcct	ttattgaact	tagaaattag	aaaacagagt	agaaagagtt	60
	ctctatacaa	gccatttaac	ttaccagact	ctaaacaatg	agtttacact	ttattcgtca	120
25	agccagtcta	ggctgaagca	tttctcagca	gcttcgatct	ttaaccttgg	aacagccttc	180
	tcaacttctt	cccacataaa	tgcaacgtcg	gtatcgcaga	ttacatggcg	cagagacttc	240
	agtgaacacg	cagagctcgg	tctatccgag	aagcaacatt	ctctcatgtc	gatcttctca	300
	agcttcttta	gctttcctat	ttcctctgga	agacaactca	ggctgacaca	ttgtgagatg	360
	tcgagatact	taagcccagg	aagctcacat	atttctccag	gtaatgtctt	tagctcaggg	420

30

<210> 370

<211> 420

<212> DNA

35 <213> Arabidopsis thaliana

<400> 370

	gcgcccgcca	tcaaaggcct	atgttcattt	gtatccactg	gactcaattt	ttccccaatg	60
	aagctacaag	gtatgcacat	aatcatatct	tacatttcca	aatacagaag	aaacgttcag	120
40	gggcagtctt	caaaggaacc	gtgtcggcat	taactcgttg	attctaaggg	gcatactata	180
	gaactcatcg	ttcctgcccg	ctccgttcc	gtgtcgggaag	ggcttccacc	acgggattcc	240
	tcttgcgctg	tcacttgcat	gtcttgcttc	caacgtgtta	tctagtatgg	tcgcaagaat	300
	ggtcgccacc	aacggagccg	aagcaaatat	cgtattaagt	atatcgttga	accatcctcc	360
	tgctgtccta	actggtccat	atcctgctct	tgaagtgttg	gcaagaaagt	actgagcgat	420

45

<210> 371

<211> 420

<212> DNA

50 <213> Arabidopsis thaliana

<400> 371

	gcgcccgccct	tcaaggccga	cattatctgg	gattcagatg	aaagtggaga	aggggtatgcg	60
	tgtggetgtc	tgtggcacag	ttggctctgg	aaaatcaagt	tttatctctt	gcatacctagg	120
55	ggaaatccca	aaaatctctg	gcgaagttag	aatatgtggt	actactgggt	atgtgtctca	180
	atcggttgg	attcagtctg	gtaacattga	agaaaacatt	ctatttggca	gtccaatgga	240
	gaaaacaaaag	tacaagaatg	tgatacaagc	atgttcccta	aagaaagata	tagagctttt	300
	ctcacatggg	gaccaaacta	ttatcgggga	gagaggtata	aatctcagcg	gaggtcagaa	360
	acagcgtgta	caacttgcaa	gggcattata	tcaagatgct	gacatttatt	tactagacga	420

60

5
 <210> 372
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

10
 <400> 372
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 tacaatggaa ggatcaacaa tcttcagaga aagccaatca gcaccagttt tacaacgagt 120
 acctttacgt ttctgcatat tgtaaggat gggacaggag gaaacttgct ccactggaac 180
 15 tgacccttgc cgttttgatt tgctttgtct tgatagcttc aaagctatgt tccgtcgatt 240
 cctctgtgta tgaccacac aaaaccctga agcagcgggt cgagaagtgg cttaaaaccc 300
 acagcaaatt atatggagga agggatgagt ggatgctacg gtttgggata tatcagtcta 360
 acgtccagtt gattgactac atcaactccc tccacttgcc ctttaagcta acggataata 420

20
 <210> 373
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

25
 <220>
 <221> misc_feature
 <222> (1)...(420)
 <223> n = A,T,C or G

30
 <400> 373
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 tataagggtta actaaggatt gtggaatcag aagtgtttgt tttttgtgat cggagattat 120
 ggattgggga aacgtaacgg ttgatgatct ctctgatgct ctccgagaag ttgactggct 180
 35 gtctccgccg cgtcctccgt ctgagttctt ctcaagggtc accgttccta aatctgtccc 240
 taaatgggat agtcgcctca agtgcaatct ctactactac cgaacaaact atttcatcat 300
 gatcgtcggt atacttggat tgggagtcct tacaaggcct ttannnnntt tcgctgcgct 360
 tttgacagca ttaagtttgg catttctaaa tgacagcttt gcaggttctt ttagtgagaa 420

40
 <210> 374
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

45
 <400> 374
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 tggagtgttg tgaaggaggg gaattgttcg ataggatcat ttctaaaggt ctttactcag 120
 agagagctgc tgcggatttg tgtaggcaga tgggtgatgg tgtgcatagt tgtcattcta 180
 50 tgggtgtaat gcaccgagac ttgaagcccg aaaactttct ctttcttagt aaagatgaga 240
 actcaccatt gaaagctaca gactttgggt tctctgtctt cttcaagcca ggtgataagt 300
 ttaaggatct tgttggaggt gcatactatg ttgccccaga agttctaaaa cggaactatg 360
 gaccagaggc tgatatctgg agtgctgggt tgattctata catccttctc agtgggtgttc 420

55
 <210> 375
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

60

5 <400> 375
cgaggtactc agaacacgtg gatgcttaca gagccgcctg tggacaccac ccagacctca 60
aatcctttga ttctaagatt cagcagcgaa cctccaatct gatagactcg ctcaccggtg 120
aagccaagac tgggtcgggtg tccccacacg cggtagacaa ggaggtcatt gagcacctag 180
ttgaagtaag caaatcggta gcagacgtca ttactgaatg cggagaagaa gtgtgggaga 240
10 acggaactct acaatctctg gtcaaggact attttaacag taccatggag actttgaaga 300
ttttcgagac tgtaacgcaa tgcgtccatg aagcaaaaag gggccaacgt tacattaaag 360
cggccgtggc acagtttaaa aaagactcgg aagaaaagga cgttggtgtt aaaaagaaga 420

15 <210> 376
<211> 420
<212> DNA
<213> *Arabidopsis thaliana*

20 <400> 376
cataataact caagtgattt ctccaaagat ttaaaagacg aaattgcctt cttctgcagc 60
agaagataat gtcctatctt ccatcttcacg gagggcagtt gcagttgaat catctattcc 120
cagcagatat tgtagcctca aaactttttc cgggtgcgggt ttgggatcac tctttgaata 180
aatagcatat agatcagata attcctctga gacctcccat gacattggct cagccggcac 240
25 agctttgtca catgcaagca aatcattcag cgacaagacc actccttttag agtttctctg 300
cctgagtaat gccacggctt ggaccagcga attcgataat ctactctgag cgagatcatg 360
gacaactctt ttgggttttt ccacatcaat actgagatcg gatgggattg tctggtagac 420

30 <210> 377
<211> 420
<212> DNA
<213> *Arabidopsis thaliana*

35 <400> 377
gaagcttgat actagtgggt tcgagacttc catgcctatg attggatttg gctcgagcag 60
tgatatgctt gatgagcttt cttctgtacc ctogtttgat ctaccccgta ctaaagagtt 120
tgatggattt cagaaaaaag ctaaagacat gttgaagcat gcaaaaaggaa caaccactct 180
cgctttttatc ttcaaaagggtg gtgttatggg cgctgctgat tctcgggcta gcatgggagg 240
40 atatatctcc tcacaatctg tgaagaagat tattgaaatc aatccttata tgctcgggtac 300
aatggctgga ggagctgctg attgccaatt ctggcacaga aatccttgaa ttaagtgcgc 360
tctacatgag ctggcaaaaca agaggagaat ctctgttttc ggagcttcga aacttcttgc 420

45 <210> 378
<211> 419
<212> DNA
<213> *Arabidopsis thaliana*

50 <400> 378
tttttgctga agatttcttt ctattgaaga aagaacaaag gaaatctgcc aaactttatt 60
cagatttcat tactaaagaa tcttgcagaa attacaataa tcaattgcaa tcatcaggaa 120
atgaacaaca atccaatag tgtaataatt aatcaagaaa actattggaa atttaattcta 180
tttttatttta tttctaacta ctagcgttca ttcaagaagg cttggacttg acttagctag 240
55 aggtagcgtt tgagagcaac agcttagctc ccttgacaag ctcttccttg atcatgaaca 300
gaaccgcagc agctaaaacg ctctgcacaa tctttgtgct catccctttg taaaaccgct 360
aaagcccttc atatcgaatc attttcagaa tcgctgccaa tgttcctttg tattgttgt 419

<210> 379
60 <211> 419

5 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 10 <222> (1) ... (419)
 <223> n = A,T,C or G

<400> 379
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 aacatgaacc gtgttgagaa ctatcagtct gtaacacgga agaaatgtag gtgtcgggtt 120
 ccagtacacc gagctcttgg tttggttcag aaacagttga tgaagagacg tatctgtgtg 180
 caggggtcaat ggaacatcat gaacggacac caaccaacca tgcacaaatc ccttgtaacc 240
 acacggtttc agcagcaaca agctggttat gtaggnnnag agattgtgta gacagacaaa 300
 caagacttga ctcatcctct tccgtagact tccatgcata cgggtcaaaca tgagcgtcgt 360
 20 gaaaatctga atcagaacat catctgcaag cgccccgata tgttggtgta gaagagtgg 419

<210> 380
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 25 <213> Arabidopsis thaliana

<400> 380
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 aaacccttta tttcgaaatc attgttttgc tctttctttt gattcgaatt cgacagaaca 180
 gctcttttaa gttattcata aaccttgtgt ttgagttttg gtccatcgag tatatgggtc 240
 gtggctcagt aacatcgctc gtcctgggtt ttggttttca tcccacagac gaagaactcg 300
 ttcgttacta tctgaaacga aagatctgca ataaaccttt taagtctgat gctatctctg 360
 ttaccgatgt atacaaatct gagccttggg atctcccaga caagtcgagg ctgaaaagt 419

<210> 381
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 35 <213> Arabidopsis thaliana

<400> 381
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 gcagtgaaga ggtcgaattg tttccacaaa aatgggcata atgttaaatt tgccacttca 180
 45 aacactccct tcatgatcat atttgcaatc atccaaatta ttcttagcca aatcccaaat 240
 ttccataacc tctcttggct ctccattctt gcggcgctaa tgtccttttg ttatgcctcc 300
 atcgggtgtt gtctctccat cgccaaagcg gcgggtggcg gtgagcacgt aagaacaaca 360
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<210> 382
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 <212> DNA
 50 <213> Arabidopsis thaliana

<400> 382
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 gctgctcttg atgctttaga gaagtccaa gaggaagctc gcaagtcgag aattggaatc 180
 tggcagtacg gtgacattga gtccgatgat gaggacactg gtccggccag aaagcctgct 240
 60 ggtggtcgcc ggtaaaatta taaaaaccga taagtcgtga tatggttcaa agggaccatg 300

5 aggtagggag agaagcttcg gtgtgtttct ctaaagagtt taaagacatg tcgaactttt 360
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<210> 383
 <211> 419
 10 <212> DNA
 <213> Arabidopsis thaliana

<400> 383
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 cagagcatta ttatcaatat gtttacaaca cacacacatc aagccagggt tctcgaactc 180
 tttcatgaga agaggctctc aagcttttgt tctcaccaca agaactgggc acttagcatt 240
 gttaacacag taattgctaa cacttccaag gaaagtcctt tgtaatgctc ctttaccatg 300
 gcttccaacc acaagcatat caacaccaag cttctcagca gcttcacata tcgcttcttt 360
 20 aggatttcca aattccaaca ctttctcttg agtaaccca gtctcagcac aaatttttg 419

<210> 384
 <211> 419
 <212> DNA
 25 <213> Arabidopsis thaliana

<220>
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 <222> (1)...(419)
 30 <223> n = A,T,C or G

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 35 atctgctgtt cttaccaatg gagcatatct tttgaacgtg gattgtgatc attactttaa 180
 taacagtaag gctattaaag aagctatgtg tttcatgatg gacccggcta ttggaaagaa 240
 gtgctgctat gtccagttcc ctcaacgttt tgacgggtatt gatttgcacg atcgatatgc 300
 caacaggaat atagtctttt tcgatattaa catgaagggg ttggatggta tccagggtcc 360
 40 agtatatgtg ggtactgggt gttgttttaa taggcaggct ctatatgggt atgatcctg 419

<210> 385
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
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 <222> (1)...(419)
 <223> n = A,T,C or G

50 <400> 385
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 agacagagcg gcgatggagg cgggtggtttt gttattccgg cgaagaggaa gatccagtat 180
 55 agttcgatgg ttgtggttgc ggccggcgga cagagtcggt gtgagcctgg aagcagtcta 240
 aacgcgccgc ntgagccacg atcggcgagc gggagggtttc tgagaagcgt gttgctaaac 300
 aaacggcagc tatttcatta cgccgccgct gatgagctaa agcaactggc tgatgatagg 360
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60 <210> 386

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   <212> DNA
   <213> Arabidopsis thaliana

   <400> 386
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   agagagttga agattgtatt tactattgct aacgaacaaa cacattacaa ttttatcata      120
   atattttcaag atcctttaag tatgattctc ctaatcgcat gttcacattt accaagtgat      180
   ttgaaacaag gcagtctgcg gccaatgtga ttttggtcag tctatttggt cttctccatg      240
   acgcagtatg atttaggcca agaaaactta agactagact catactacgc ttttaatccc      300
15  tgcattcttg tgaattcct ctgaaggaac cacgtccgca ataatctttt cttgaccgcg      360
   ccaaagaatc ctgtcaatga ctccaaattc ttttagctttt ggtgcatcca tgtaatatg      419

   <210> 387
   <211> 419
20  <212> DNA
   <213> Arabidopsis thaliana

   <400> 387
25  gtgattgtgg aaaagctgga cagagtgatg ttcttgacat tgacaagaag aagtatcttg      60
   taccagctga tctaaccatt ggccaatttg tgtacgttgt gaggaaaaga atcaagcttg      120
   gagctgaaaa agccatcttt gtctttgtca agaacacatt accaccaact gcggcattga      180
   tgtctgcaat ctacgaagaa cacaaagacg aagacggggt tctctacatg acatacagtg      240
   gagagaacac atttgggtgga tctttctact gctaattacc tcagcttcta cgtctgatcc      300
   tcttgatgat tgtacattct cgctcgacct aataatgtca ttttactttc ttggtttaac      360
30  cttttgagct ctcttactat ctcttgcatc tgaagatggg atttgaaaca agattctaa      419

   <210> 388
   <211> 419
   <212> DNA
35  <213> Arabidopsis thaliana

   <400> 388
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   aatggcgga ccacgattcc gactgaagaa ttggcggttg ttgcggtgcc acctgtagta      120
   gaagaagagg agccgatggt cggacctgga ccagctccac gaggcaaacg caagcgtccg      180
   cttcaattcg agcaagctta tcttgattcg cttccttctg ctaatatgta tgagaaaagt      240
   tatatgcata gagatgtagt tacacatggt gctgtttcag cagctgagtt ctttataagt      300
   ggaagtatgg atggtcactt gaaattttgg aagaaaaagg gtgttggtat cgagtttgct      360
   aagcatttcc gtcctcatct cggccaatt gaaggtctag cggttagcat tgatgggtt      419
45

   <210> 389
   <211> 419
   <212> DNA
   <213> Arabidopsis thaliana
50

   <220>
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   <223> n = A,T,C or G
55

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   attgaacctt ttgggtctat atcagaatat cagacaggca gtcagcgttt atgacgattt      120
   atctcatggt attgacagaa ctgccgaatt aacggttggg cgctttggtg gtatcgatgc      180
   ttttagcacag gagtatggac aaggtatggc taagcaaggg atggatgtat tactttccac      240

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5 attatcaaag ctattcaatc tgttggagac atctcataaa ggccaaattg ttgggggttat 300
 cgtccttgat gagagagtaa accaagaatc agaaaatctt ttgaactttg ggtctnnccg 360
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<210> 390

10 <211> 419

<212> DNA

<213> Arabidopsis thaliana

<400> 390

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 ttttccaacg atggcctcaa acgcactctc gtctttcacc gccgctaate ccgctctgtc 120
 tcctaagcca ctactccctc acggctctgc ttctcgcgtc gtttctctcg gcttctccag 180
 gaaagtgtgc ggcggcagag cagtggctgt tgcagcggct acggtggaca caaacaacat 240
 gccgatgacc ggagtcgtgt tccagccttt cgaagagggt aagaaagccg atctggccat 300
 20 tccaatcaca tctcatgcct ctctcgctcg ccagagggtt gccgacgcta gcgaggcagt 360
 cattaatgag caaatcaatg tggaatacaa cgtctcctat gtgtacctcg gccgcgacc 419

<210> 391

<211> 419

25 <212> DNA

<213> Arabidopsis thaliana

<400> 391

30 ttgctagaga aagaaaatat atgtaaaaaa aaatgcaaac acaaattacc ctttattatt 60
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 tctaactagg gtaccacttg gttgaggaaa tgcctcgcag ttgaacttca accttcaaca 180
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 agtcgccccg gtaataaaaac caagaagtgt accaattact aacttgtatt tcgacgttat 300
 tgagtttgcg ttggttaaga actcgaagct tggctcgaac ataaatcatc tcaaaggggt 360
 35 tgaatttatc gttaatgtta agatacagcg acatggcttt tccctttgaa agattacga 419

<210> 392

<211> 419

<212> DNA

40 <213> Arabidopsis thaliana

<400> 392

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 aaaaatcaac agaactctgca ctttaatgaa tcagaaagta ggaatgggtt tggagccgat 180
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 aattggctca cgtgccttga tcaccactgg ctctgcaacc actgtggaag acaaagtttt 360
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<210> 393

<211> 419

<212> DNA

<213> Arabidopsis thaliana

55

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<223> n = A,T,C or G

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cccaaactga aagattaaagt aaaaacaaaa tccaaactcc atctcattct cctgagattt 180
tgagtataaaa ggatgattca tttgnmntct gtttgaaccc gcaaatcatc gggttaagcta 240
10 acgaacctga ttccctaactg ataaagctgc taaaaggggt tagcttgagt taccggcata 300
taaacacatt gcatctgac tttgagaatc atccttggct aatgctacct tcaaagggtg 360
tttttagtca taagctctct ctttaagcgt tagacatcag tatgccaaac cggggcgggt 419

<210> 394
15 <211> 419
<212> DNA
<213> Arabidopsis thaliana

<400> 394
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caacaactac tactactcct accgggaaat catctccagc aactccaaga atagcaaaaa 240
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25 cagctctttc tcttgatcgt tcttctccaa attccaaatc ttctgttgag agacgatcac 360
caaagcttcc aactcctcct gagaaatctc aagcgcgagt agcagcgggtg aaaggaaca 419

<210> 395
<211> 419
30 <212> DNA
<213> Arabidopsis thaliana

<400> 395
35 tttatataga aacaaattca gacactttga aataaagcca atacaagaaa atgtttttaga 60
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cagaccagcc ttttccagca aaaaatatca aaaatcagag ttgaagggaa ctttggttagc 180
cggcaaccag ttattgccgt ctataaaaagg tttcaccgta aacttatttg cttccttctt 240
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ggaattttaag tactcggcgt aaaagatcgt gtctggcgcg gtatctcctg tccacggtaa 360
40 ccaccctttc gggttgatga atttgtccat gaacgacttc atgataaccg ttgtagaga 419

<210> 396
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45 <213> Arabidopsis thaliana

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55 cggcatattt ctgatcttct gttctcgggt ggttttttgggt ttctgggtat tgattgattg 180
attcaaaagt cttcaannnt cctggaaact ggatctgggt ttatccgttt ttactcgtct 240
gagaagagaa aaaaggatga atccttatga tgcgaaagac agaagatgga ttctctctat 300
gttcttcttc gtcgttttgt tctgcaacaa cgtttcgact tctgtcttct catctgaagt 360
tatcacgatt aagccaagac atttatcctt gctaaagagt gctttacaac ggtcaagtg 419

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 taactctggg agtcaagtgg cttctgattg atggaatcga ttatttttct aattctggtt 360
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<210> 398
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 atttgattcg tcgctcaaaa tcattgcgtg ctcttcgtga tcttgctatt gcaaagacta 180
 aacttaagga gctaagagct tctttccaca acttcagcta ccgtcgcctg attgctcgtg 240
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 35 ccatagaggg agttgatgtg atgggttcgag gagcgaagag atcaatggtg gatgagctgg 360
 aagcaatgtt agatgtggta gacccgcaac cgcaggggaa atcattgtcg atgagaaga 419

<210> 399
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 <223> n = A,T,C or G

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gagaaaaatg agtgaaagag atgatggatt ggggctaagt ttgagcttga gtttaggttt      180
10 taatcaaaaag gacccgtctt cgagggttaa tccaatgcct ctggcttctt atgcatcttc      240
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ttggattaac atgtttcagt catcagagag aaactcggac atgagatcgt ttctccgggg      360
aatagacgtg aacagagctc catcgacggg ggtggttgac gtggaggatg aaggcgccg      419
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15 <210> 401
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20 <220>
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    <222> (1)...(418)
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25 <400> 401
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ccngtgtgga agcaaaaattt aggttaatcg gatctcaatt atggacgaag aggcagcaaa      120
accatagagac tccaccgtga atcagcaaca tcaatactat tacggaacgt ttcaaggcgt      180
tgcgaaatctt cctactcctg ctccaccacc gcaatttatg caaccacagc atccgattac      240
30 tacgtttcct ggacatgctt accaaaatct ccaaggatcat ggtggtggtg tgaattatgc      300
tcaaggattc ccagttgttg ttcttgatta tacagtgggt gaggtgagac caatgataga      360
gcatgaactt ccttgttggt gcttgggcat gggctgggtt ctgtttatca tgggcttc      418
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35 <210> 402
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40 <220>
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ctggaagtga aaatggaaga cgtgctaaag aacatatgga gaaaggacaa ttggtccctg      180
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gatggctttt ggatggatat ccaaggagtg catcacaggc aacagctctc aagggtattg      300
50 gattccagcc tgatctattc attntcctcg aattattctg caacagattg ctgaaatggt      360
taattctggc aaatcagtct taaaatccgg acaactgata ataaaactag gttcctga      418
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55 <210> 403
    <211> 418
    <212> DNA
    <213> Arabidopsis thaliana
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60 <400> 403
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aatataagta aagtccttag aggactgcgt gttggtaccc tgttccatca agatgctcat      120
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5	ttatgggctc	cggtcgtaga	tactacttct	cgtgacatgg	cagttgctgc	aagggaaagc	180
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	aatgcccttg	aagtaaatga	gaaaacaatt	aaagctgaga	atgatttaga	tgttgctgca	300
	gcacaagaag	ctggatatga	agagtctttg	gtagctcgct	tagttatgaa	gcctgggaag	360
	atctcaagcc	ttgcagcttc	cgttcgccag	ctagccgaaa	tggaagatcc	aataggcc	418

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 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

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	gctctgggtg	aagcagtaat ggtgccattg gaagtagcag tatggatctc gatgacttgg 180
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	caaaaaccaa	agatttcatg tttctgaagc ctgctgatac tactacacat tgatgataca 300
	cagacgtgaa	tataattggt cactaaaaatg tataattaga gtgtgaaaac atttgtcttt 360
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30

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	gagaagagga	ggcgtgaagc gtatcagtgg tttgatctat gaagagactc gcggcgttct 180
	caagatcttt	ctcgagaacg tgattcgtga cgccgttact tacacggagc acgctcgccg 240
35	gaaaactgtt	acggcgatgg acgtcgttta cgctctcaag agacaaggac gaactttgta 300
	tggattcggc	ggctaaatcg ttcggattgc aatttcggat tttgtaaact cttcaatttc 360
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	cattaacaat	ggcgtgggtcg tcggaaacgc cgctcgattg cggctggaat gagcgacatg 120
	tgaagaacac	gaaagaaaag atggagggttc attattatct cgagaggaaa gatggaattg 180
	cagatctagc	tgttattggg aggttgaaga attctaaacg catgtctttt agatacgctt 240
	tgaagaagaa	tcgctctgtc ttgaaaaagc ttaattctaa agatgatgtt gcgctttggc 300
50	tcgattctat	tgtttctgct aaacctatta atgacttaat tttgctgcag acagatccgg 360
	tttccacctt	ttggtgagat acctcatgta gcagatgtac cagctactgt tatgactg 418

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 <212> DNA
 <213> Arabidopsis thaliana

60

	<400> 407	
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	tatatcggtt	acaaaaacaa ttgttatgag atcattctat aagagagatg caaagagcaa 120

5 cactcatgcc aagaatcaaa gatatcaaat ggcaggcact gtttttaagt gttgattttc 180
 ccgagttggt catttctgca agaactccag caacagctat gtatatgaat cctcccgtg 240
 tgaatccctc aatcaacgat gattgtcctg gttcattttc ccagaccaa accaatgcag 300
 ttccggcaag tgcgacgagt gcagagagga agttgaagaa gagtgccttt gttactgtga 360
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10 <210> 408
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 408
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 gatgtacgcy ggaatgcaat catgatcacg agtacgataa ctgtctgtct ttttagcaca 180
 20 gtggtgtttg gtatgctgac caaaccactc ataagctacc tattaccgca ccagaacgcc 240
 accacgagca tggtatctga tgacaacacc ccaaaatcca tacatatccc tttgttggac 300
 caagactcgt tcattgagcc ttcagggaac cacaatgtgc ctgggcctga cagtatacgt 360
 ggcttcttga cacggcccac tcgaaccgtg cattactact ggagacaatt tgatgact 418

25 <210> 409
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 409
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 atcattaaga ctattataat aaccctaaca taaaagatc catcagcttt ccttgtttc 180
 tcacgcaaac tctgaaaatg ccaatttgag gaaaaccttc tcctttactt ttgctattgc 240
 35 ctctctctta tttatttctg ctctaccttg tccgaagcat gtatcctcct ccctgattgc 300
 ttctctaccg tctgaaacaa accgttgaag caagcacgaa aagattcgca ttaagaacac 360
 caaaaaggac aaggatcttt ctcccaagag cagaaaccat ttgctacgat aactctaa 418

40 <210> 410
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

45 <400> 410
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 ttcagaattt gaaaaaaaaa acagctttta ccttctttcg tttgctttcc ataccaaagg 180
 aagcaaacaa aaagaggctg atgaagaaag aagaaacaac ataactgtta aatagtttta 240
 agaagggtcat tccttttttt tttatcataa tcaattccca ttgcatcggt gaatcacacc 300
 50 attactgcta cttccttgca cttagcttctt cttctgggtt tggttggttaa tccgggtcaag 360
 tccccatata cttattgttc catcatcgct tgctgaagcc aacatgtgta gattcgtc 418

55 <210> 411
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60 <220>
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 <222> (1)...(418)

5 <223> n = A,T,C or G

<400> 411

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10	gattgttttag	caaaccagac	agcgattttgt	ccaaagattt	gaagacgaaa	aagaaataac	180
	acctattcta	cccacttcag	ggccccatttg	gtggtatctt	ctcagggcct	gagagcgaga	240
	gcaatcccaa	ccttggcact	cttatcgatc	gccttagaat	caacctctcc	agaaacgggtg	300
	aagaacgact	ttggacgcca	ctcatgttgg	atcagagcgt	tnnnacacca	gcattgttca	360
	ctcttgccct	cactgtggtc	aatgggtcaa	gcgcgtgttg	agttccgaca	gtgatggc	418

15

<210> 412

<211> 418

<212> DNA

<213> Arabidopsis thaliana

20

<400> 412

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	aaacttaaca	aaaagaatca	attctctatg	taaagttttc	tcgattcaac	aatagatcaa	120
	agattctgcc	agacattggg	acacggcttt	aagaaaaaga	aaataatgaa	aggccatatt	180
25	atatggagta	ccttgattct	tcagcaaaaa	tttctcagga	cgaagcagag	aatgtcaaga	240
	aaaccctga	tctcgttga	tcgtgttctt	gtttcttcaa	tatgtggcag	taattaagct	300
	ccatacggaa	taggcttggt	ggtaagacga	ttccagcacc	aactgaagtt	ctgaatgtct	360
	ccaagaactt	tggagcagtg	aagttttctaa	actcattctc	tgataacttc	gccatatt	418

30

<210> 413

<211> 418

<212> DNA

<213> Arabidopsis thaliana

35

<400> 413

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	tcaacagata	tacaccaaat	gacccaaaact	gaacaaaaaac	aaaaaaagtt	aaaacagaac	180
	agaagcaaat	gagggagggga	gggagagaga	gagagagaga	gagagataca	catggtggat	240
40	gatttttcagc	ttattcccag	ttgcagactc	caaagtttgt	tttatctact	attaaggcaa	300
	atgatgatcc	tgctgaatta	tttttagaag	atgtgaaggg	gcgagagata	ttacgtgaaa	360
	ctattgcaca	ccgcgatcag	gcagtcgact	tgaagttgcc	agattcaaat	ggttagag	418

45

<210> 414

<211> 418

<212> DNA

<213> Arabidopsis thaliana

50

<220>

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<222> (1)...(418)

<223> n = A,T,C or G

55

<400> 414

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	aaaggcaaga	gagagcctga	agatgatatt	gacaccaaag	tgagtcttaa	gaagcagaag	180
	aaagacgtga	ttgctgctgt	ccagaaggaa	aaagctgtga	agaaggttcc	taagaaggtt	240
	gagagctctg	atgattcaga	ttctgaatct	gaggaannng	agaaggctaa	gaaagtccca	300

5 gccaagaagg ctgcttcaag cagtgatgag tcctctgatg actcttcttc agatgatgaa 360
cctgcaccca agaaggccgt tgctgctact aacggaactg ttgcaaagaa gtctaagg 418

<210> 415
<211> 418
10 <212> DNA
<213> Arabidopsis thaliana

<400> 415
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15 ctccttcttc ctctctcaat ttgaacgaac ctctccgacg tctcgattct cgcttctcct 120
tactcaaata tccacttccc gtctctttac gccggagatc atcaactctc gttaaagcct 180
cttccaccgt cgcttcagct tctctctctc caactcctcc tttgggtcca gctccgggtc 240
catggcaagg agctgccatt aagcctcttc tcgcttcgat cgctactggg ttgattctat 300
ggttcgttcc agtccccgaa ggtgtcactc gcaacgcgtg gcaattactc gcgatcttcc 360
20 tcgccaccat cgtcgggacg atcactcagc cgcttctctc cgggtgctgt gctctaata 418

<210> 416
<211> 418
25 <212> DNA
<213> Arabidopsis thaliana

<400> 416
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30 tctctttctc tctctacagc cttacatgaa cagtgcactg tctctctctt tccctctcct 120
tccttttttc ttctacttct ctttcccttt gcttcgaaaa gggatatctg tgatctttat 180
cgctcaaaaa ttttactttt cagatcaggc cactcggtga tggaaatctg gacagtattg 240
attactagag agtaaagaca agttctttta atctcaggga agaaggaatt ggtgtttaag 300
attgctctgt gttaatgatg gcttcaaaaa ctccagaagg atcacttacc aattccagtc 360
aaagtatgtc aatcaacact ttagcagatc aagtatcttc gagtttgtct ttcgctga 418

35 <210> 417
<211> 418
<212> DNA
<213> Arabidopsis thaliana

40 <220>
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<222> (1)...(418)
<223> n = A,T,C or G

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caaattgaat gaaggaaaa angaaccaag tttcataact atagatatgg tgttatgtac 120
aaagcgctaa cacagtgaac tagccagtgt ggtatggtga tattcttaag aaattttgca 180
50 gactaaacaa atcttcccaa cccatttcgc tatacactac cttcgaatgc catttccctac 240
gtctgtgaac ctgtcgacta atcattcttt tgtgtttgac accgaataac agtgtttgac 300
aatgcaggag ttgcttcata gttcctgtaa annngtcaag ctcttaggct tattagcagc 360
ttctgacttc attcaagtgg attcaacctt ggattataca gtgtagtctc caactgat 418

55 <210> 418
<211> 418
<212> DNA
<213> Arabidopsis thaliana

60 <400> 418

5 ctgctgatgt gttgttttagt tattccaagt ttgcaatggc ctgcattggg aaccatactc 60
gtcctactga catgagggtt cattttgatga aggagatctc tggaatgcca acttctctga 120
aaggaagaga ctcttctaga gcagcttctc ctgatccact tggcgaatca tcaagctccg 180
gtactgccag gctagataaa acggatagtt tcagggcact ttgatttttag ttttctcca 240
cttgctcaggg tctcataaga tatatgctag tggattacag gataagtatc tgtggccgag 300
10 gaacctactt atcaagtttt aacttttgat ttcgcccatt atagtgtcaa atgttattaa 360
tgctgtattc tcagatgtgt gtttctgaaa aaataaatgc tatgctgcta cttcgagg 418

<210> 419

<211> 418

15 <212> DNA

<213> Arabidopsis thaliana

<400> 419

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aaccatttca cgagcaggat ctgacagtgg tagacctcca tctattcatg ttgatgagtt 180
tatggccaga cagagagaac gaggccaaaa tccctccacc attgtggttg gagaggctgt 240
tgtgcaagtg aaaaatccta ctctgctag agatactgaa aaagttgcag gtaaacctaa 300
acaattcaaa gccgatcctg atgatgatct acaaggaata gatatagttt ttgatgggtga 360
25 ggaatgtgaa ggacctgatg acaagttgcc ctttcttcag cccgatgaga accttatg 418

<210> 420

<211> 418

<212> DNA

30 <213> Arabidopsis thaliana

<400> 420

35 gtagtgccat tgggtgacttt ggagactcca agaccgtttc tctctgtgtc aagagactag 60
tttacacaaa tgatggcgga gagattgtta agggggtctg ctccaacttc ttgtgtgact 120
tgaagccggg tgatgaagct aagatcactg gacctgttgg caaggaaatg cttatgccaa 180
aagaccccaa tgccaccatc atcatgcttg gaacaggaac tggaaatagct ccattcagat 240
catttttgtg gaaaatgttc tttgaggagc acgaggacta caagttcaat gggttggcgt 300
ggcttttctt ggggtgtacc acaagcagct cactgctata caaggaggag tttgagaaga 360
40 tgaaggagaa gaaccagac aacttcaggc tggactttgc ggtgagcaga gagcagac 418

<210> 421

<211> 418

<212> DNA

<213> Arabidopsis thaliana

45

<400> 421

50 aaactccatt ttagtagcaa gcttagatct cctccttcca cagtcacttt ctctgctttt 60
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cagaattcac atgggttttg tctaaaaatc ataaaaatcat atcttttttac ggatttgaag 180
atgaatcaga attcctctgt tgcggaggcg acgcttcagc ttaattccgg tgaaaaacca 240
tcgccgggat cgattccgtt tatctcctct ggtcaacacg gaaacataag cacttcagcg 300
acgagttcga caagcacaag ctccaggtagt gctcttgccg tagttaaatc cgccgtgaaa 360
aaaccaacta aagatcggca tactaaagtc gatggtcgtg gacggcgaat tcgtatgc 418

55 <210> 422

<211> 417

<212> DNA

<213> Arabidopsis thaliana

60 <400> 422

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taacataaca gagatacagt aggaaaccaa tacagagaca aactttacaa attacaaata 120
gactaacgct agtgtctcat ccaaaaccag aatttggtga aaaaattata attatgaaac 180
aagcacaagt tcatcaagcg aggaaaaagg attataaaag ggaacgatag taaccgaggc 240
tagaaggagt tccagttatc tgaccttttc gtagggcttt catccgaaga gactttaaag 300
10 ggacctgtgg aaccaaacgg gtctgcatca tcaaacgagt atccatggct accactgaaa 360
tcctttgtac tattcataga gtcgaatctt gatagcgagg gaccaccaa gtctttg 417

<210> 423
<211> 417
15 <212> DNA
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<400> 423
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gtaaaaacgg atactaggaa ttgtatacac cacaaaatta cgtataagaa agtctaaaca 120
aaagtaagggt aaaaaaaacc aacacagtag taatccaaaa atccaaaatc taaaagaaat 180
agcctctata cgcttgggct gggcctataa cccgttgaag atccggattc atgaagtccg 240
ggttcgggtc ctaaattgga tctccctctt ttcacagagt tcatcttctc caatttgagt 300
cgggctctga atcttgcat gaaatcatcg gctttggtat ctacgtcggg gctcggacag 360
25 aacatactcc cggcggcctc cttacttcca gctgattgag ctacatccgg atcatca 417

<210> 424
<211> 417
30 <212> DNA
<213> Arabidopsis thaliana

<220>
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<222> (1)...(417)
35 <223> n = A,T,C or G

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cacacctcgg gagctataga agatcaacct tgtgaagctc ttgaagtaga ttttgcagat 120
gagtattttg gaggccttac tctgagttat gatactctac aggaagaaat aaggttcgtg 180
atcaaccggg aacttatcgc tggcatgata tttttgcctc gtatggatgc aaatgaagca 240
attgagattg ttggtgttga aagattttca ggttatacag ggtatggggc ttcgttccaa 300
tatgctggtg attacacaga caacaaggac ttagacattt tcaggaggcn aaaaacaaga 360
gtcatagcta tagatgccat gcttgaccca ggaatgggac agtacctcgg ccgcgcac 417

45 <210> 425
<211> 417
<212> DNA
<213> Arabidopsis thaliana

50 <400> 425
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gattatcgcc gccgttcgtc ctccggcatc tcaagactat ctagttgctg cttctcttag 120
tggaacgcaa tcgatcaact cttcatcttc gtccattttc gtacctatct cattatctac 180
55 ttcctacggg cgaagcaaat gcgccttctc aatctcgcgg aagaatccaa aatcgacgat 240
tcgttgcgat attgctgtga aatcggcggc ttctgtagac gcggacgctg atctatcgtc 300
atctacgtcg ttggagacgg aggaagacga gaaagcgaag gagaagattg gagctagggt 360
tagggttacg gttccgttga aagtttacca tgtggttcgt gtacctcggc cgcgacc 417

60 <210> 426

5 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<400> 426
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 agccttgtgt tgaactgaaa gtcataaaag ttctttcctt tctccacttg caagcattcc 180
 ttatcaagct cttctctgga tcgaaagaga gactcgaaat ttttatagt tagcaatctg 240
 ttctcacggt atctatccct cgtgtaattc aggcctctccc atggaatccc ttgaatatct 300
 15 tttccattcc tagcttctaa cgctgatgtt tcattgttcg tcttactctg actcagctcg 360
 aaatcaaaat cggagtccat gaaatcgga tcagaatcac tggtgacatc aacctct 417

<210> 427
 <211> 417
 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 427
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 ctggttgctgg tcctgggtcat agtgtagcag tcacatcgaa aggagaagtt tatactttcg 120
 gatataataa ctctggacag ctaggacatg gtcataccga ggacgaagct cgaattcaac 180
 ctggttagatc attgcaggga gttcgaatca tccaagcagc tgctgggtgct gctcggacaa 240
 tgctaataag cgatgacgga aaagtattatg cgtgtggaaa agaatccttc ggggaagctg 300
 aatacggagg gcaagggact aaaccagtta caactcctca gcttgtaaca tctttaaaaa 360
 30 acatatttgt agtgcaagca gctattggga attactttac cgctgttctc tcccag 417

<210> 428
 <211> 417
 <212> DNA
 35 <213> Arabidopsis thaliana

<400> 428
 40 agagaacgag agagagagga gaacaaaatg gtaggcgaag aggagacgaa gaagagagta 60
 gtcactgaat cgctaggatg gttacggaa tcttcgatta tgccaaagaa gcatcgcgcc 120
 atcgaagggtg ttggtccttc ctcaatcatg gagcttaaag ctcagctcta taagtctcag 180
 gaggaagcta aacagacaaa ggattttacg ggatccgatg ctcaatacca tcgcgcacaa 240
 gaaaggattg ccgccaaaaga ttctttcgcc gcgaaaaact ccggcgctcga aagtcgcaat 300
 ttaaaggaca agcttgagca caaagctgta aaagatggag cagttagtta tgccgcattg 360
 gagaaaaagg ctcagttgta tgataaactt gctagaggag agctttctga tgaagaa 417

<210> 429
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

50 <400> 429
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 attaggagca ttggttcacc tcatcgaggt tggaggccac caatttagtg agggagactg 120
 ggatatgctc ttgaaaagca taagagatgc atcatacaca actcaaccgc tggagctggt 180
 55 gaatgctttg agttttgaca atccgaaaaa gaacctagtt ttggcaggag acatagaggc 240
 cgatgcctct gattctccac gagttgatcg taatccggac gatattaaag ataatgggaa 300
 agtgcccgcc caggcatctc caaggattgg tactcatggt acttcctag aatctgggat 360
 accgcctaag gctgatggtt cggaaggctc tccatcgta tctggaaggg ctcaaaa 417

60 <210> 430

5 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

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 gccgtctatc tcccaattcc gtgaccgttg ttgttttagtg aatcgatgat ttacactgct 120
 atcgacaatt ttacactatc cgacgagcag ctgaaggctt caccttcgag gaaagatggg 180
 atagatgaaa caactgaaat ctctcttaga atctatggat gtgatctcat ccaagagggt 240
 ggaatattgc tcaaactgca gttatggcta ctgggcaggt tctgtttcag cgattctatt 300
 15 gcaagaagtc tttggctaaa tttgatgtca agatagttgc tgccagctgt gtatggcttg 360
 catcaaaact ggaagaaaac cctaaaaaag ctagacaggt catcatcgta ttccaca 417

<210> 431
 <211> 417
 20 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 25 <222> (1)...(417)
 <223> n = A,T,C or G

<400> 431
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 cttagaagat ggattgaagc aaatatagat caagtctata ttgtgcctac aaaatgagaa 180
 atctaagttt cgagtatgat caagtatctt agcttttaggc tagagaaacc aatctctttt 240
 attcttttgc gtgtggtttg atgtatagta tggancctaa aannnnctac gtctaaactg 300
 aagatccagc caaacgtctt cttgatgcat ttgaagtcgc gacttgaccc aatttgtctg 360
 35 actcttttgc gtcacccgtc actattctct ctctcactgg tgtgtaaatgc ctccagcc 417

<210> 432
 <211> 417
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 432
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 45 tttatctaaa ttacaactac ccaaagagat acatcgaagc ggatggaaaa gtgaagggtga 180
 gttcagagaa gttgcagaag ttgggttgga cttaccggcc gttggaggaa acacttgttg 240
 attctgttga gagctaccgc aaagctaagc ttgtggactg aaaactggga acgaatagca 300
 tatgagtgtt ttgggtccat gtgttaagtg ttcctatctg cacacgctct ttcactcttt 360
 actcaagaat aagagttgtg caacatattt tccatcaaaa aaaaaaaaaa aaaaaaa 417

50 <210> 433
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 433
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 tgggacaaat gcatcacaag cgcaccggga agtaagttca gctcaagcga gagttcttgc 120
 ctcactcatt gcgctcaacg ctacatggat atgagtatga tcatcatgaa acgctttaat 180
 60 tcgcagtaag attgattgga gatatcatatc ttgttgggat tttaatttat cctttttttt 240

5 tttctcttgg caagtgttga aatccctttt attactctag tgatcttgca agagtattct 300
 cggataagtg ttttaggtgt ttctttatgg ttatgtgatt gagattgtta ttgatggcta 360
 gtaatatatt aagagacaag tgttgaataa tgtggtttta ataaaaaaaa aaaaaaa 417

 <210> 434
 10 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <400> 434
 15 acattataca acacagtcga tatcattgga gcaaaaactc tttataaact aactaaatga 60
 tgattagaac aaatatagat atattccctt tggcttttga cttcaacaca attcaagaac 120
 aaatgatagt gtgacgaagc gagacgacat cgtttccagg tctcaagctt ctgaccgaat 180
 cagggagaac aatccttttag ccatatatag aatcgacaaa ttgggttgat ttttccgact 240
 ttgacttagc cctcaagata acctttgttt tgcaggtaag agatgatgtt ctcagccatc 300
 20 tgacgtggcg aacacgactc gtcgtctcct gtgtgtttca gcactacctc gcaattcact 360
 ggtgcctcgt aagggtcgtc gattccagtg aagcctttga ttttgcctgc acgtgca 417

 <210> 435
 <211> 417
 25 <212> DNA
 <213> Arabidopsis thaliana

 <400> 435
 30 agtttttcgg cgatgggaga cgagcagctg gcgatttgta tggccgatcg tgaaagagat 60
 cgagaacttt gattcgcttc gctgattccg gcaacaaaga cgatgtttgt tcattaaggg 120
 tttggcatcg aagaagttca tgaaaggctg attactggca gctctagcgc gattttttaa 180
 tcagatcatc ccgccatgac ctcaaaagct tgtctcttca gaatcagctc aaagcagaca 240
 ggaaagaggc gttaaagatt tgggtcaagc tgcgactctg tgatcacaac tccacaccaa 300
 gtatcctctt acatcgcaact cgtcgctcct gcactcgtag tttctttgaa tagccaatga 360
 35 agagtaaagt tcaattatgt gtgtcgtgtt tagtaatttg acttgaaaaa agagt 417

 <210> 436
 <211> 417
 <212> DNA
 40 <213> Arabidopsis thaliana

 <220>
 <221> misc_feature
 <222> (1) ... (417)
 45 <223> n = A,T,C or G

 <400> 436
 50 tttttgaaaa tgtagtaaga attttttctt tctcggtagt aagattaaaa tccattcaaa 60
 agactactaa aaaaaaatct aaaactaatt ttgttataga aaaaaatta caaaaccaac 120
 ccctctatct ctcaaaatat tacaaaacta ccaaactaat taattcttca agccgaacca 180
 aacaccaaac cactcacgct aggagttaca tgcctcctgca tcgtggactg gtgatgacgg 240
 tgctctcctt cgtacgtcac aatcaacatc gttgaatcat ccaaagctct ttccacgtgt 300
 ttctctgctg gacatcctct aaatgtacta cacttgtaat aaccccgtag atgtggtgag 360
 cntttgatcg gtttttgtcc atactttctc catgaatatt cgtctggtgg tatatcg 417
 55

 <210> 437
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 60

5 <400> 437
aaaagcacat tggtttaate ccaaaaccca accaaagttt tcttccaaaa gtgtaataac 60
ttgaaacata cagagaactc ttgctttgtc ttacaaaactt atacaaaaag tcaagagaaa 120
ccaaaacaga tcaaagaaac ccaaaagtaa aaagatttaa acaacaaaag aggtaataaa 180
taaataaaga aactataaac aattgtctgg agataaaacc accaccgtga accaaaacca 240
10 atgtacagta acacaatgtg aaaaccacac aagactgata aacttcacca gcgagttgaa 300
ctaatatgag gttgttcaat gatgaactca gtaactgaat ggtgtctgtg ggtaaaggcg 360
gatcgttgga gcttccggaa ctttctggaa atgtcgggtga ttgatctgaa gatgagc 417

<210> 438
15 <211> 417
<212> DNA
<213> Arabidopsis thaliana

<220>
20 <221> misc_feature
<222> (1)...(417)
<223> n = A,T,C or G

<400> 438
25 tttttttttt tttttttttt ttttttagact acaacttact tttataaaact ttgttaattg 60
tcataaaaaat aaacatagat ccgagtaaata atagatatca ggtacaatga aaatcaacaa 120
ccctttgaaa tagaatagat ccatacactc ttactttgac aaaatagaat aggcacacac 180
ttatttgact atgattttgt taattttgaa atcacattta tagtcttcaa ttatgttgta 240
aacaacctaa actttcacaa tttcgtccaa caatatattt aaattctcta aagagcttcc 300
30 tttcatggag aaatcttctt ggagtttttc ttttaagctt ttggcattag nnttcatcgt 360
cttaccatca tcatgaacaa aaacatcatt caaacacttc tcaaatcctt ctttctgt 417

<210> 439
35 <211> 417
<212> DNA
<213> Arabidopsis thaliana

<220>
40 <221> misc_feature
<222> (1)...(417)
<223> n = A,T,C or G

<400> 439
45 gacgtcgcac gcacgcgtac gtaagcttgg atcctctaga gcggccgccc ttttnnnntt 60
tttttatcta aatttaagct gctaaataat catcaaaatg taatttaaata acaataatgt 120
gtttattcaa caattatata tacacaaata tatatcaacc ctaaccagaa tgtgatactt 180
gtttaccaag ccatcaaata taccgtgctt taggttcatt gatctccgaa aatactcccc 240
aactcgaacc actcctctca tcaccaacaa ctagaacaga gtcacgtggtc gtggctcgatt 300
tcccaacgtg tctgttagtc ctactaaaca agtcattctt tccgtccgtg gtcgtaccaa 360
50 cttcaccact tggcattaga tccagagact ccacgttggtc attcttcttc ttagcag 417

<210> 440
55 <211> 417
<212> DNA
<213> Arabidopsis thaliana

<220>
60 <221> misc_feature
<222> (1)...(417)
<223> n = A,T,C or G

5

<400> 440
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ttgaaaagtc attacatcca aattattttt ttttagccat gaaaatatac nnnctctatc 120
tcactctttt attttttacag tataattcat atgtacatta attgatctca aacattgctt 180
10 tgtgtaggac agttttgggt actttgggtca tatactatta gagtgtaaaa ggctcggctt 240
ctgatggaac ttcacgagct ctttggctct caagtggcat atactgtgac atgatcgtca 300
taatctcaga gtccatgtaa gacctgaacc ggtatttgta gaatatataa ccagctaaac 360
cggctactgc gacaatagct agtatcaaga gtgtgagcca ccatgctgtt ttggatc 417

15 <210> 441
<211> 417
<212> DNA
<213> Arabidopsis thaliana

20 <400> 441
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caacatgaaa atctagtaat acatgtaaa aaagaagggt aatgatattc cgcattgttc 120
tagataggac tcgaatcttt ctttaccaca agagggggtt acaatgatac aatgatcatg 180
tcctagaaga gaaggatcag atgggttggt ctttgggaac gatctgatcc ttgatccaca 240
25 tgtagatagg gattaacaca aaccaggcag ctgctagagt tcccaggagg aagcgtccca 300
agaaggagaa ggggttggtg acaggcttct ctacgtcttc ttcctttgga ccaagctgga 360
gaggagagtc accggaggca ggtttaacac cagtgcacaga acatcccatg ataaggc 417

30 <210> 442
<211> 417
<212> DNA
<213> Arabidopsis thaliana

35 <400> 442
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tttgatattg caggcctagt gaaatatggt ggctttgctt tgatcaattt tcatgaagta 120
tcttcaaaca ctggacagga tcaagctcta ccatctgcga gctccatctg ttcgtgtagc 180
aatgtaattt ctacagagaag gagactgggt aagaccatct ggtgcaactg tgggtgtctg 240
agttccattc ttctgcttca tcttctgctg tgctatgtaa cctctgacct aaggagtaac 300
40 atcctcgttg gtcttaatac tgatgaagaa gatgatgcgg tagatgataa tcatgctaag 360
aatcacactg aggttaatcc attttgatcg atgcaagtcg atctgaaaga cgttctc 417

45 <210> 443
<211> 417
<212> DNA
<213> Arabidopsis thaliana

50 <400> 443
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atatcgacat agctaattcc gtcgagcctt tacacatctc tgagattgcc aaagatctta 120
atatcaacct tcttactac gatctctatg gcaagtataa agctaagggt ttgttgctg 180
cgtttgatga gcttcaagga caagaagatg gatactatgt tgttggtgga gggattactc 240
ctactcctct tggagaaggc aagagtacta ccactgttggt actttgcca gccttaggcg 300
cttacctcga taagaaggtt gttacttgct ttcgccaacc gtcacaagga cccacctttg 360
55 gaatcaaagg aggtgcagct ggtggtgggt atagtcaggt gattcctatg gatgagt 417

60 <210> 444
<211> 417
<212> DNA
<213> Arabidopsis thaliana

5
 <400> 444
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 tagccgtcta atcatcgccg acgccggagc tattccgtac ctccgagaga ctctttactc 120
 gtcgtcacac tcttctcagg aaaacgccgc cgcgactctc ctcaacctct caatcacctc 180
 10 tcgcaacccc ctaatgtctt cacgcggctt actcgacgcg ctttctcacg cgcttcgtca 240
 tcacgacacc accacttccc ccgccgcggt tcaatcctcc gccgctacga tttatagcct 300
 tttgatagcc gaagagtctt accgacctat catcggatct aagcgcgata tcatcttctc 360
 cctcattcac atcattagat atccagattc gcacccctga tcgatcaaag actcgct 417

15
 <210> 445
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

20
 <400> 445
 ttcctcattt tctttcgggc gacattgatt tgacgcagat tctctagatc agtttttggc 60
 tgccgccatt gatgccgcta aaaaagctgg acagatcatt cgtaaagggt tttacgagac 120
 taaacatgtt gaacacaaaa gccagggtga tttggtgaca gagactgata aaggatgtga 180
 agaacttggt tttaatcctc tcaagcagct ctttcccaat cacaagttca taggagaaga 240
 25 aactacagct gcatttggtg tgacagaact aactgacgaa ccaacttgga ttgttgatcc 300
 tcttgatgga acaaccaatt tcgttcacgg gttccctttc gtgtgtgttt ccattggact 360
 tacgattggg aaagtcctcg ttggtggagt tgtttataat cctattatgg aagagct 417

30
 <210> 446
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

35
 <400> 446
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 agttactcag caatggcgag agacttcaag cttatcttct ccatttcaat tctgcttctg 120
 cttctagact gttgttacgg tggcaaggct ggagtttgtt acggaagaag cgccgacgat 180
 cttccaacac cgtcaaaaagt tgttcaattg attcaacagc acaacatcaa atacgttaga 240
 atctacgatt acaattctca agtctcctcaa gcatttgga acacaagcat tgagctaattg 300
 40 attggagttc caaactctga tcttaacgct ttctctcaat cccaatcaaa tgtggacacc 360
 tggcttaaga acagcgtctt accatactat ccaacgacca agatcactta cattacc 417

45
 <210> 447
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

50
 <400> 447
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 tgggtaattg atagtgaag aactagactt ggtaatgaat ccaactcaca gtctgcaaag 120
 tatgttctat ctacaagaga agattataaa gcgccattag tagcagactc ttttcttaaat 180
 aggacttgga ggttgataga ccatggctta tctctaccgg ccattctacc aaggatccaa 240
 tttataagag ctactgccac cagatttctc tgggtgtatat tcaaaattct gttattggag 300
 ttcaaaaaga ctgatctctc tcattatggt ttgtctgaag atacactgat acaagcatgt 360
 55 ggaccgggta atgctgctcg gtatcttgaa tcaaaactac gagaatggag tgatgat 417

60
 <210> 448
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

5

<400> 448

tttttttttt	tttttttttt	tttttttaga	aagtttggaa	catgtaagaa	aaaacacaac	60
ataagatgat	gttcataaat	ctagcaaggg	atagtatcat	aaaagatgat	gttcaaataa	120
cgctggacaa	gggacttagt	ggctaatagcc	cttctttgct	ttcaatgact	cgagtgcctt	180
10 gtttcgcaac	tcaatttcaa	gcctcttttg	atcagattcc	tccccttttt	taatcttagg	240
acgggcctca	acttcacctt	ctgaagtatc	agaaagctct	tgtttcttat	gcttctcctt	300
tccaccacga	cgttcttccc	ttttaacgatg	tctctctctt	cgcctacgtt	tcttctcctc	360
ctttctcggt	ttcttctcct	ccttctcctt	ccttttagcc	tccttcttat	catcta	416

15 <210> 449

<211> 416

<212> DNA

<213> Arabidopsis thaliana

20 <400> 449

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aaggcaggaa	gatataacac	cgccaagatt	ggatcgatct	ccacaatcag	gacatggggt	120
gtctccatga	ttatgagatg	aactaacaat	gatgttgtcc	aagaaagttc	cagttccagt	180
ctcttgacca	tcaccacgag	taaaatgggt	gacttggtcca	tcacctacat	agattccgtg	240
25 atgagcgtaa	atgtaggctt	gacgccatga	atagatgtga	tcgctgggtt	tcacatcgtc	300
tctggagatt	ttattggaaa	ggaatcccat	cttctccacc	gacgaatgga	gaaccagaaa	360
ttagggattg	cgtcgtcaga	gagagaaaaga	tcttattttt	tgtacctcgg	ccgcga	416

<210> 450

30 <211> 416

<212> DNA

<213> Arabidopsis thaliana

<400> 450

35 tggagaagaa	ggggagaaga	tattccggct	aggtctcacc	gcagatatag	gtttatctgt	60
cgcaaaagct	ctcaccgggt	atctctgcgg	cagcaccgcc	attatcgccg	atgctgctca	120
ttccggtttc	gatgtgggtc	taagtgggtg	tgctctagt	tcttacagag	ctgcaaatgt	180
tcccaaggac	aaagaacatc	cttatgggtc	tggtaaattt	gaaacgcttg	gagcacttgg	240
catctctgcc	atgcttttgg	ctactggctc	tggtattgcc	tggcatgctt	tagacctttt	300
40 atctattgca	ctgtccgcag	ctcctgaggt	aattcatagt	ggacatcatc	acggcattga	360
tatgaatcat	ccatttctcg	ctttgactgt	tactattgct	tccatttcta	tcaaag	416

<210> 451

<211> 416

45 <212> DNA

<213> Arabidopsis thaliana

<400> 451

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50 ggcgtcatct	tgtgctcggt	gtgatctctc	aatcatttaa	gatacaattg	ctagcagacc	120
taaacttgaa	gaaaactccc	cagctgggtg	agttggctcg	tgatagcaag	gatgtggaag	180
agctaatagag	tttaccacct	gagaagatct	tattgagatg	gatgaatttt	cagttgagaa	240
aaactgaata	caagaaaacc	gtcacaaact	tctcttctga	tgtaaggat	gcggaagctt	300
acactaatct	attaaatgtc	ctggcaccag	agcacaagaa	tccatcacat	ttagcagtta	360
55 aaagctcatt	tgagagagca	aaacttggtc	tcgaacatgc	agacaaaatg	ggatgt	416

<210> 452

<211> 416

<212> DNA

60 <213> Arabidopsis thaliana

5
 <220>
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 <222> (1)...(416)
 <223> n = A,T,C or G

10
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 tccatctttct cctccaaaa cctaattttct ctgcacttta gcgataactc gctctcggga 120
 gagatccctg gctcgtggct cagatgcaaa gcttggagat tctccatctc ttctctaata 180
 15 acttaacagg aaaaattcca gaaggagtaa cttctttgcc acgtctaaaa gttcttcagc 240
 tttgggtcaaa cagattttcc ggtggaattc cggcaaactc tgggaaacat aacaatctca 300
 ctgttcttga tctttctacc aacaatctca cgggaaaact ccttgacact ctttgtgatt 360
 ctgnnnatct cactaagctc atcctcttct ctaactctct agacagccaa atccca 416

20
 <210> 453
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

25
 <400> 453
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 cctctgccgc aaaccagaga ccggtttgaa tttcgatcgt gatgtcatct ccggtttagt 120
 ctctatttgc gatcttgctc agcctgtcga tgccaaggaa tatctcgaca atattattgg 180
 aaaagaaggc aaaagcatca ttgcagaata tctacagcga agaggataca aagatccatc 240
 30 taaccatgta gcagccagtt caggtccaga actgcaaatg tatgttaagc caaaagtgga 300
 taatgggtgct tctagtggaa ccaagaaacc gtttaaaaca ccaaaagagg gaacatcttc 360
 taatcagcaa gctggaactg ggaaattaac agctcccgcc cagcaagtta atccta 416

35
 <210> 454
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

40
 <220>
 <221> misc_feature
 <222> (1)...(416)
 <223> n = A,T,C or G

45
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 attttgctga agtttataat ttcattggga gtgtctttga tcttgaaaac agaggccatg 120
 tggaaaagct caaggaaatg gatcctataa atttcgaaac tgttctgtta ttgatgagaa 180
 acctcacagt taacttatca aaccctgatt tagaatccac ttcggattgt aatgatgctg 240
 cagaggaaaag tctctttatc atatgacaac gtgacgaccg agtcccaag cgttnnntcc 300
 50 cttgtcaaga nctcaacnng cgacaaatca gcataacaaa aatatgagcc atcagctagc 360
 aagtttactc attgggttcc catgtttaat aaactttggg gttatacgtc actgga 416

55
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 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

60
 <400> 455
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 tacattcctt ctttgtccct aaatcaaagt aataacaaac ttataaaacg attaaaatgg 120

5	tgcaagtaaa	acataacatt	ttcaggtgac	tttttatgat	ttgttccttt	tcaagaatca	180
	gtgtccattg	gctacagatc	catcttcacc	tttcttgcca	tagaatctcc	ggtacaagga	240
	atcaacctct	ttcagataat	aagttcccgg	tgccaaaaga	tctataatac	cctccttggt	300
	tgtcacaaaag	tccttttgctc	catactatgt	tccattagct	tcattgtctc	cacaaacttc	360
	tcaggtgcat	actcatgtct	agctttcaat	ttaccgccaa	catccattac	agatgc	416

10

<210> 456
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

15

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	actcgtttgt	
	tcccaacaca	
	ttccttcaca	60
	ccagctaaat	120
	tcggattctg	
	agaaagtttg	
	aagatggcac	
	gaggcgggtat	
	atcttgccct	120
	gttcgaccag	
	gcacattgta	
	tataatcgtc	
	gggtcccatat	
	gaagaacaga	
	ctggaaatgt	180
20	gcaatcagtc	
	cctcaataga	
	agtcttgcca	
	tagtaagggt	
	ttatatgaag	
	agcagcatgc	240
	attccaaccg	
	cgaatccttg	
	ttcagtcgcg	
	tggattgctt	
	ctctagtcga	
	attgcttcca	300
	gtgtttccaa	
	tgactttgat	
	gcttccgcca	
	aaacagttaa	
	cggtatggcc	
	tataagcata	360
	atgtgttcgt	
	cccagctcat	
	cagttgtcct	
	tcaccagttg	
	tacctcgccc	
	gcgacc	416

25

<210> 457
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

30

	<400> 457	
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	atgtcaagct	
	ggctttgcaa	
	gggatgaata	60
	aggttcttga	
	gaaccgagct	
	gaggagctta	
	agcttgattt	
	tggagtttgg	
	aggaatgagt	120
	tgaacgtaca	
	gaaacagaag	
	tttccgttga	
	gctttaagac	
	gtttggggaa	
	gctattcctc	180
	cacagtatgc	
	gattaaggct	
	ctttagatgag	
	tgactgatgg	
	aaaagccatt	
	ataagtactg	240
35	gtgtcgggca	
	acatcaaag	
	tgggcggcgc	
	agttctacaa	
	ttacaagaag	
	ccaaggcagt	300
	ggctatcatc	
	aggaggcctt	
	ggagctatgg	
	gttttggaact	
	tcctgctgcc	
	attggagcgt	360
	ctgttgctaa	
	ccctgatgca	
	atagttgtgg	
	atattgacgg	
	agatggaagc	
	tttata	416

40

<210> 458
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

45

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	atgaatcgaa	
	atatagccgc	
	tacaccaaaa	
	ctaggcgcaa	
	agaaccaacc	60
	agattgacct	
	agtggataaa	
	ttagggaagac	
	agaaacaaaa	
	acagcaatgg	
	gaccagagaa	120
	tgcgattgca	
	ttataaggct	
	gcaattgaac	
	agatcgagca	
	agttcaaatt	
	gacgtaacat	180
	aaaacctatt	
	aatgcgaaag	
	cgccgtggag	
	agcaacaaaa	
	gcccatagac	
	cacctaatgt	240
	acaccaacga	
	gtaaaatctc	
	cttgtgcttc	
	aggacccccac	
	agtaacaaca	
	aagaatgcgc	300
50	taaactatta	
	gcaggagtag	
	aaactgcagc	
	ggttaaaaaa	
	ttgcaacctt	
	ctaaatagga	360
	actggccaat	
	ccatgagtat	
	accatgaagt	
	tacaaagggt	
	gtacctgccc	
	gggcgg	416

55

<210> 459
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

60

	<400> 459	
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	cagtaatata	
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	caatggttga	
	taatttgatc	
	aactactagaa	
	gctgttgctg	
	cttaaagtac	
	aaatcttatt	
	gcattcatcag	
	gttcaagtac	120

5 acatcttatt tcttcatatc caaagaccac ctgttcgtac aaggtgggtt ggtctcatac 180
actttactgc ttcgtgcttg cttacagtta catgaatttt ttcttgaaaa cctccacaat 240
ctccttagga tccattttcg tctgtgcata gccatcgctc ttgttaattt cctcaatcca 300
tgctgatagt ttgggacggt cggcagtaat gtcgcactta aataattcat tgagtacagt 360
ttggaacctt tcaatgaacg ggatataggc gatatcaacc aagcttaact gaccga 416

10 <210> 460
<211> 416
<212> DNA
<213> *Arabidopsis thaliana*

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ttgtttagtt tctcttttaa gtccatcgat aaatggagca cggaattttt gggtgcaagg 180
20 ttgagacttt aaggtattag tgtagtaaca tttggaattt tcttaacttg caatgtggcc 240
tcacaaatag agccggtcct gagaaatcag gtggccaaac aaaattattt tatttttaga 300
agtgtttaag atatattttt tttaaagaga gttaatgtta aagtttcaga aatttaggac 360
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25 <210> 461
<211> 416
<212> DNA
<213> *Arabidopsis thaliana*

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gtcattttcg aaggacgacg tacaaaagat tcggaacctt ttctaaagtt tttttatata 180
tccaagaagc aaccagcttg aacgtggcct tcatatttat catgtgtttc cagttttaac 240
35 catcgagaat tgctcatatc ccaattatac cctacacttg gttcgccgta ccgagccgaa 300
ccgatcacia ccagggttcc agacctcctt atcgccacgt aagatacatt gcacacgtca 360
gcaggtagat tcccaacttt ataccacgtg tcatctttca tcatcatcag atcacg 416

40 <210> 462
<211> 416
<212> DNA
<213> *Arabidopsis thaliana*

45 <400> 462
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ttcagatcgc tgtggtttgt ctattggcga cgatggccgt tgtgtccgcc cacgagggtc 120
accaccacca tgctccggct ccagcaccag gaccgcgcat tagctcaacc gttgtttctg 180
ccaccaatat gttcaccatc ttggctattg ctgccgtggc tctcgtcgtt ggttccaacc 240
actaagttgg ttattacatt cgtcgttttg tttcagtttc tatgaaattg ttctcttgac 300
50 ttttaatatata ttttgaattt ttctcatttg tttttaactc tctctatggt gatctgattt 360
cttgaataaaa ataaaagttt attgaacgtg tgtttttaat tacaaaaaaa aaaaaa 416

55 <210> 463
<211> 416
<212> DNA
<213> *Arabidopsis thaliana*

60 <220>
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<222> (1)... (416)

5 <223> n = A,T,C or G

<400> 463

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10 taggagtgtt tcaactatct tcttcaattc ggggttttttag tttctgagat ctgtttttga      180
agaatctgat ctgagtttga ggaagtgtga ctaaatagat cgaagaagat gtttaagcag      240
atacttgnnn ngcttcctaa gaaaacttct gctaagtttt gggataatgg tgaatcccaa      300
actctagata acaacaacaa tcaaggagga ggtgatgaag ttttaagcca gagaacgtca      360
tcaaattggag atactagttt ggattgtgtt tcttcttttg atgtattgcc aagggtt      416
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15

<210> 464

<211> 416

<212> DNA

<213> Arabidopsis thaliana

20

<400> 464

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ggattctctc tctattctct gttgggtgtaa tcatgttttc aatcttcttt ctcttctctg      180
25 ttcttatcgg tatcgctctt gttcttatcc tccctctcct cctctcttct ctccatcgte      240
accaccgacg tcgtcgtcgt aatcgccgac aagaatctct agatgggtta tcttcaagat      300
tcgtgaaaaa gcttcctcaa ttcaaattct ccgaacctag cacatacaca cggtagcaga      360
gcgattgtgt ggtttgtttt gatggattca gacaaggaca atggtgtcgg aatctt      416
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30

<210> 465

<211> 416

<212> DNA

<213> Arabidopsis thaliana

35

<400> 465

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tagtaagcat ttatgtataa tgcattccatc aagtagtaga tgatacaatg gcgtaaagag      180
ggaataaacg gtgaatcacc ataccggttg attcagcgac attgggtttg tcttctatat      240
40 attctctcgg taatctccaa tcataccgat gcactaagtt agccaaagtc acctcaatca      300
agatcacagc gaatgatatt gctggacaaa tccttctccc tgctccaaat ggaatcagct      360
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45

<210> 466

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<400> 466

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atatcagctt cagttccctt tagctgggaa gaagagcctg gcaagcccaa gcaacactct      180
acttcttctt cctcctcttc ctcttctctc ccattaaact ctattcttct atctctcttt      240
gaaactcaca agtccttaga gctaccacca aggcttcaact tacttgaaaa agatggagga      300
55 tcagtaacca aacttcactc gcctataaca gtctttgatg gaccttatag catgacgaca      360
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60

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<212> DNA

5 <213> Arabidopsis thaliana

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 15 tcaaagagtt aaattagtag ttgtcggtag tggcgccgct ggcaaaacat ctctgttgat 180
 ttcattcgct gaaaacaaat tccctgagga ttannnnnct acagtcttcg aaaactacac 240
 ttttaaaatc actcgcgcgc atggtacact tgttctgttg catttggtgg atacagccgg 300
 tcaagaggac tacnaccgat tgagaccttt gagttatcct ggcgctgatg tcatcctgct 360
 ctgtttctcc accgtcactg cctcgtcatt cgcctccatt aaagaaaagt ggtacc 416

20 <210> 468
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

25 <400> 468
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 gctcttcgaa gctcttggtt atcaacttcg ccggagcaat ctactcaacc acaaatgcct 120
 ccgagagtac caaatcttat tggagggtct tttgttgagt ctcaatcatc ttcgtttatc 180
 30 gatgttataa accctgctac acaagagggt gtatctaaag ttccattgac tactaatgaa 240
 gagtttaaag ctgcggtatc cgctgcgaag caagcgtttc cgttgtggag aaacacgccg 300
 attactaccg ggcagcgtgt tatgctaaag tttcaagagc ttatacgcaa gaatatggat 360
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35 <210> 469
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 <213> Arabidopsis thaliana

40 <400> 469
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 cgattcctaa ggaagcggcg tatcagatca tcaacgacga gctgatgctt gacgggaatc 180
 cacggttgaa cttagcctcc tttgtgacga catggatgga gcctgagtgt gataaactca 240
 45 tcatgtcctc catcaacaag aactatgttg acatggacga gtaccccgtc accaccgaac 300
 ttcagaaccg atgtgtgaac atgattgcac atctattcaa tgcaccgtta gaagaggcgg 360
 agaccgccgt cggagtagga accgttggat catcggaggg cataatgttg gccggt 416

50 <210> 470
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 <213> Arabidopsis thaliana

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 aagccatgga ggtcgatgaa aaaccaactg aagattacaa tgacattgga ggactagaga 180
 agcagatcca agagcttgta gaggcaattg tgcttcccat gacgcacaag gaacgttttg 240
 agaagctggg tgttcgtcca ccaaaggagg tgctcttgta tgggtcccca gggactggta 300

5 aaactttaat ggctcgtgcc tgcgcagcac agaccaatgc caccttcctt aaattggcag 360
gccctcaatt ggtccagatg ttcattggag acggagcaaa gcttgtccgt gatgcc 416

<210> 471
<211> 416
10 <212> DNA
<213> Arabidopsis thaliana

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ttgccacagc ccgttccagc tcaaccacca tcttccgaat tacctccacc ggatcctcgc 180
actcaagaaa tgataaatga gaaactgaag aaggcagaag atcttggtga acaaggaatg 240
gttgatgaag cccagaaagc cctggaagag gctgaagctc ttaagaagct tacagttaga 300
cgagaacctc cagcagattc aacgaagtac accgctggtg atgtgcgcac cacagaccaa 360
20 aagttgcgtc tatgtgacat atgtggagca ttcttgagcg tctatgacag tgatcg 416

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<211> 416
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25 <213> Arabidopsis thaliana

<400> 472
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ttatccgaga atcgcaacgc cggagatttg ccagcgttga aatcgtcgat gagatcatta 120
agctggacaa ggaatggcgt cagcgtcaat ttgaagttga tagcttcaga aaggagttca 180
acaagctcaa taagcaagtg gcgcagctca aaattaaaaa agaagatgcg agtgagatta 240
ttcaacaaac tgagaaaaac aaacaagatt ctactgcaaa ggaggctgaa gttcgtgaag 300
cttatgctgc tttgaaagcc aagttggagc aagttggtaa tttgggtccat gattctgttc 360
cagttgataa ggacgaggct aataatcttg tgattaaact gtgggggtgaa aagcgg 416

<210> 473
<211> 415
<212> DNA
35 <213> Arabidopsis thaliana

<400> 473
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actggccgtg taaccaagcc aacacgtaga aggtccagag cctcacgtag aacaccaaca 180
45 acgcttctca acaccgacac ttccaacttc cgtgccatgg ttcagcaata cactggcggt 240
ccatccgcta tggcttttcgg gtccggtaat actacttctg ctttttagcct cacttcatcg 300
tcggatccat cagctggatc ttctcaacaa gtccttggc aatataattt ccagcctcac 360
gcgcgcgttc agccaccgca acggccttac atgttttctt tgaacaacgt gaatc 415

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<212> DNA
50 <213> Arabidopsis thaliana

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gtatatagag ataacaaatt aaactataag agttacttca ttcggttgag atattaccat 180
attgccaaag attaaactcg atcgatttga ggtccgtttc gttggaggca ctacttgagc 240
60 tctctgcgct gtctcggtgt tcattgtact tcccgttgta ttggtatact tcaatatctc 300

5 cccatggagt aggtgtgata tcatccgtta gatcgaacca tcttggagtg aacttttgtc 360
cctttgtctc tctgggtcctc ttttcggccc tttgtctctc ctcaaggctg tgttt 415

<210> 475
<211> 415
10 <212> DNA
<213> Arabidopsis thaliana

<400> 475
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15 caaacctcac cattagatga taagtagaag aaaaaactta cagccaaata ggcaaactta 120
tctctctctc caaaacattt ggtccatacg ataaagcaag aagaagaatt aagaattaga 180
gcaagaagaa gaagaagtag aggatgaagc atgaaatgat gaacatcaag ctaagatgca 240
taaccatctt ctttcttctt tttgctttgc ttcttggaaa ttatgtagct caagcctcaa 300
gacctcggtc tatcgaaaat acgggtctccc ttctctcaca agtacatctc ctgaattcaa 360
20 ggaggaggca tatgataggg tcgacagcac caacttgtag gtacaacgag tgcag 415

<210> 476
<211> 415
<212> DNA
25 <213> Arabidopsis thaliana

<220>
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35 cattggagga tctttttact caaatcttta cccacaattt taccagttct cttgtccaca 180
agctgatgag attgttatga cggtgctcga aaaagccata gctaaagaac caagaatggc 240
agcatcttta ctcnnccttc acttccacga ctgcttcggt cagggctgtg atgcatcaat 300
cttgttggat gatagtgcaa ccatannnag tgaaaagaat gctggaccaa acaagaactc 360
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40 <213> Arabidopsis thaliana

<400> 477
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acaacaacat cgaaggaaat atcctgttct ccgagctctc tcgccgtcgg attcgtagta 300
tcagtagctt aatcaaggct ggtcgtaccg agcctgttat ggtccttcgt gtcgatagag 360
agagagggtta cattgatctc agtaaacgta gggttagtga tgaggacaaa gaggc 415

<210> 478
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<212> DNA
55 <213> Arabidopsis thaliana

60 <400> 478

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gctgaaatcc tcaattccat ggcagtcact aatgaacatt tccacactgc tctcgggaac 180
agcaacccat ctgcacttcg tgaaactggt gtggagggtc ccaacgtctc ttggaatgat 240
attggagggtc ttgagaatgt caagagagag ctccaggaga ctgttcaata cccagtcgag 300
10 caccagaga agtttgagaa attcgggatg tctccatcaa agggagtcct tttctacggg 360
cctcctggat gtgggaaaac ccttttggcc aaagctattg ccaacgagt ccaag 415

<210> 479
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15 <212> DNA
<213> Arabidopsis thaliana

<400> 479
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gcgccgccc gttattctca ggagtctccg ctacacttct ccgtcagacg ttatattcca 300
ccaccaggat ggggtctatac gaagtgccta agaacaaatg gactgatcct ggtcaggga 360
25 agttgaatct gtagtaggaag atcgggtgcag ggctagtcgc tgggtggaatc ggagc 415

<210> 480
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<212> DNA
30 <213> Arabidopsis thaliana

<400> 480
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caaggtcgac caccatttgc caaatgtgtg aacatggccg gtgaaatgcc agaaactggc 180
attaaagact gtaatagtaa tgcttcgtcg cttttgggtca taattatgat caagtgtcgt 240
gtaactttgt atgtttctcg tattagaata aacgggtcca ataaattgga ttagattggc 300
cattattatt gatttgccaa tgaccaaaaa gtgaaaacat gagagggtgag ttatatataa 360
gttcttataa aataattgta aaacttctgt aagttttttt ctaatctttt gtcca 415

<210> 481
<211> 415
<212> DNA
40 <213> Arabidopsis thaliana

<400> 481
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ttgattttgc atttgcggat gctgacaaat caagctacgt caacttccat gagaggcttc 180
50 taaaattggg gaaggttggg ggaatcattg cgttcgacaa cacttctgtg tttgggtttg 240
tggcggagga tgaagatgga gttccggagc atatgagaga atatagagca gctcttatag 300
aattcaataa gaaattggct ttggatcccc gagtcgaggt ctctcagatt tccattggag 360
atggtatcac gctctgtaga cgtcttgttt gatcaaaaaga ctacttgaag agtac 415

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<212> DNA
55 <213> Arabidopsis thaliana

60 <400> 482

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 10 tctttggcac cgaactatta tgttttgatt ctatgctatg aaatactgtt ttttactta 360
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<210> 483

<211> 415

15 <212> DNA

<213> Arabidopsis thaliana

<400> 483

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 aacacactct tcaaaccaac aacaaattga ctgaccacaa taaaacccaa ctagaacaag 180
 tcgaacttct tcttaagcag atcttgcttc caacgtggta agttgttgaa tgcttctttc 240
 tcgatcccaa acacactttg gaactcttcc tcagatagat aagcctctct gcgtttgaaa 300
 tcgattccag tcaactgggtt ctcagattta gctctcagct gttcataggt gaaagttgct 360
 25 ccacttggtt gtatttcaga atcaccttgc tcttctggtt cctgctttgc ttctg 415

<210> 484

<211> 415

<212> DNA

30 <213> Arabidopsis thaliana

<400> 484

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 35 ttacaaacta caaagagaga gagagaatgg taataagaga agaaaaacag tacaagagaa 180
 tcatcatctt gacaaatctt caaatatcta aatcctccaa ctgaatgttg ctcttaagag 240
 gcacataatc tccaagatac ccaccaagtt gatcatacaa agcgggtctta tcaatagtct 300
 gatgatgata actcttacaa acatagtaaa acacactctg aaccaacaaa cccacaagat 360
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<210> 485

<211> 415

<212> DNA

<213> Arabidopsis thaliana

45

<400> 485

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 gattggcacg gagtctttgt ttacatatg aagttcttat gtcttcagcg atcttggttg 360
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55 <210> 486

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<212> DNA

<213> Arabidopsis thaliana

60 <400> 486

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tgcccgacgc attatatgat gtatttttgcg acaaagaagg cggacttgca aaggcatgtt 180
tcgcatactt agcaaaaggc ggcttcttta gccgaggccc tgtgcagcta ctgagcgggtg 240
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10 actacatgct gtccccattc ccaactccat cacgcatata cacatgcgtc atgtcatttc 360
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<211> 415
15 <212> DNA
<213> Arabidopsis thaliana

<400> 487
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cctaaagcca aaatcaaaaa tacaagtagt ctgtgtgtaa actcttatta ttagaaaagc 180
aacaaaagat aactagagag tttcagccct ctcttcaaaa actgataagg ctctcaattc 240
ttctactcca ctacttcaat cagggtgggc tcatagtcag agggagccac aaatccatgg 300
aggttcatca ctgttgacgc tacatttgca agccccggtg tttccagatc tttacggaat 360
25 ctactcctt gagccaaacc aggacctcca atagcaattg gcactggcct gagtg 415

<210> 488
<211> 415
<212> DNA
30 <213> Arabidopsis thaliana

<400> 488
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atcaagaacg gttttgggtc aaccggggtt gaaaatgtac atgtggcttt ggaattacct 180
ggtgcttgag tttccaagag tgagtccaag atcatctgaa ccaactctct cgtgtatcct 240
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agccacggct tcagacattg gaacatctgc tgtctgggtc gcaccaggag gaatagcagg 360
ggagcagggt ccgctttgac ctgggtgtcca catccttgac cctcctccgc ctcca 415

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40 <213> Arabidopsis thaliana

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ctcatacagc atgggtgggtga cgctgctctg actctgaatc tgactcggtc cagccctcat 180
50 cctgcccc tgtccaactc gccacaacca ccgctggcct cactcttcc tctccatcc 240
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tggagtagga ctgagtggag caggaagaag gcttagcatg gaaatgctcg atttctgcac 360
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55 <213> Arabidopsis thaliana

60 <400> 490

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	aagtgcagaa	gcagctctta	agtacaatgt	tgctatcaaa	tgtgccacta	taactcctga	180
	tgagggtaga	gtgaaggagt	ttggactgaa	atcaatgtgg	aggagtccta	atgggacgat	240
	cagaaacatt	ctagatggaa	ccgtattccg	tgaacctatt	atgtgcagca	atatcccccg	300
10	gcttgttcct	ggttgggaaa	agcctatatg	cattggtaga	catgcctttg	gtgaccagta	360
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<211> 415

15 <212> DNA

<213> Arabidopsis thaliana

<400> 491

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	tgagccggag	ccagttttcg	tctccgtcaa	gacttttgcg	ccagccaccg	tcgctaattt	180
	aggaccaggg	tttgatttct	taggatgcgc	cgtcgatggg	ctcggagacc	atgtgactct	240
	ccgtgtagat	ccctctgtac	gagccggtga	gggtctcaatc	tcggagatca	ccggaacgac	300
	aacaaaactc	agcacaaatc	ctctccggaa	ctgcgcggga	atcgctgcta	ttgctacaat	360
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<211> 415

<212> DNA

30 <213> Arabidopsis thaliana

<400> 492

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	atgggttttc	cgatcttaaa	atccgtactc	acttgaaacg	actcaacaag	ccagctctca	180
	aatcgattaa	gagcccagat	ggagatatga	ttgactgtgt	tccaatcact	gaccaaccag	240
	cttttgctca	tcctctgctc	attaatcaca	ctgtccagat	gtggccaagt	ttgaaccag	300
	aaagtgtatt	tagtgagagt	aaagtttcat	caaaaaccaa	gaatcagcag	tctaattgcta	360
40	tacatcagct	ttggcatgtg	aatgggaaat	gtccaaagaa	cacaattccc	atcag	415

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45

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	acaaccaaac	cgttctcttc	aaagactcaa	tctatcacia	acctaacaac	cttcacctcc	180
	gtctctacaa	accattttcc	gcctccaacc	gtaccgctct	ccctgtcgtg	gtcttcttcc	240
	acggcggggg	cttctgcttc	gggtcacgtt	cttggcctca	ctttcacaac	ttctgtctaa	300
	ctcttgcatc	gtcccttaac	gcccttgctg	tctcacctga	ctaccgggta	gcacccgaac	360
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55 <210> 494

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<212> DNA

<213> Arabidopsis thaliana

60 <400> 494

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 gatgttgact gtaccggacg agaccggtcg acctcatttc gcggctaag acattgtgcc 180
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 10 tctgagtaag cttcttggag agacaagact tcaccagacc ctcacaaaca ttgttatacc 360
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15 <212> DNA

<213> Arabidopsis thaliana

<400> 495

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 tcaaagaaaa atccaagctt atcgaggcag ctcaggggagg gtctgtttcta gaagagctta 180
 ataagaaatg gaatgagcac aacaaagcgt tagagatgat tcgagacatt ctcattgtata 240
 tggataggac ttatattgag agcaccaaaa agactcatgt tcatccgatg gggcttaact 300
 tgtggaggga taatgtttgt cattttcacta agatacatatc aaggcttcta aacactcttc 360
 25 ttgatctagt gcagaaggaa cggatagggtg aagttattga taggggggtg atgag 415

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<211> 414

<212> DNA

30 <213> Arabidopsis thaliana

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 tcactattttt ttgactaat gacttttcaa cttttcttcc acgagctcga tgcattcgata 180
 tagaaccaat tcaattgggt tcagaagccc tacatcgctg agtgaagatt cttggccatg 240
 atcctccttg aggttctcag cgatgctgca gctcacaaga gttcgaagag gcagaagcca 300
 ttccttatac gctttctcca gattcttctt tgacaaaata tcaactgccga ctttgcttct 360
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40

<210> 497

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<212> DNA

<213> Arabidopsis thaliana

45

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 agcttggtgt gatgtctctg aggagatatc tgtgaatata cagcgtgcaa ggactaaaat 360
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60

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atggggcgcg gcggcgcgtt cctgtgacgc ttgtaaatca gttaccgccg ccgtgttctg 180
tcgagttgac tcagctttct tatgcatagc atgtgacaca agaatccatt ccttcactcg 240
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10 agccgacgcc gccgctcttt gcgtcagttg tgatgccgat attcactctg ctaatcctct 360
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15 <212> DNA
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<400> 499
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tggttgacgc acacaccaga gaacaccgaa tctcttaaac catattacat caatttctgc 180
tcactatgca gagagctaca aatctaagaa taaaaacaaa agtctcctt ttaagttaca 240
atcacaacct aaaggaagaa atatcgggtt ctcattgttg cggccacggg cagctagccg 300
caacaggatc ggttatcgga cttgcattta acagttgatg ctgcacagtt ttgctacctg 360
25 atacagagtt gttcttatca actcgagaga tcaggttctc tgttttcctt gttg 414

<210> 500
<211> 414
<212> DNA
30 <213> Arabidopsis thaliana

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35 <223> n = A,T,C or G

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ggaccggcgt tagagaaatg gtgtggacag aaatgtgaag ggagatncaa agaagcgggg 180
atgaaagatc ggtgtttgaa gtattgtggg atatgttgca aagactgnnn gtgtgttctt 240
tcaggcactt atgggaataa gcatgaatgt gcttgctatc gtgacaagct cagtagcaaa 300
ggcactccta aatgtccttg attctatttc tttccaacca aaaattttaa taaatgaata 360
agagagatcc agtaaaactaa tataaaacta taaatggatc ttttgtttat gatt 414

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50 <213> Arabidopsis thaliana

<400> 501
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cgagaagaag cttcttaagc ttacgaaatt tgtagtcttt gtagacataa ggcttaaaact 180
55 tgggaacgtt ctcacaccg gtaattagct ccggcaaaag tccgaagact tgatcaaggc 240
tagattccac aaaaaccggc cacgagattc tcgtcttctc cttatccatc ttgcacctat 300
gctccacact cttatacttc ccattgctca ttctcaagaa ttgatcgccg atgatgacga 360
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5 <211> 414
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 cacgagtcaa ctcgttaccg agttgtcaat tggctgatga gcagcttatt gagtataaga 180
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 20 gtatggttat tggatgatgg gttctcacgc ctgctatttc agttttttct gcagtatctg 360
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 25 <212> DNA
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<400> 503
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 tacagtactc gaggttcatt gttaagctgc agttttaagc tcttaagctg cagccaccct 180
 tggccttccg tagctagctg ggccactgct gtgagtcaaa gtggtctcga gcgtgttgaa 240
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 taaacctctc aagactgagg ttcgtcccgc gagagtgttg atttgcgcggt ttgcgtttgt 360
 35 tttgaactca acccactgga atcggttgct tgttgcgcggt ttcaccaccg agaa 414

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 40 <213> Arabidopsis thaliana

<400> 504
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 gaaggataaa acactcagct caggggctcg aatccgtttt atcctatggt acaacagaga 180
 ttcacacagt tcgcaatctg tctagaggag ctatgtagat gggtcatagt attagggaga 240
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 ctttattgtc cattagcatt gttcttcttg agttcctcgt tctcctgacg cagcgcacgc 360
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55 <220>
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 <223> n = A,T,C or G

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 tacagtttcg gcggcgagtt aacaccaaac aaacacatcg acaaagacct ntacgtcttt 180
 gacttcaaca ctcaaacttg gtcaatcgct caacccaaag gagacgcccc aactgtatcc 240
 10 tgnnttaggcg tgcgcgatggt ggccgtggga actaagatct atatctttgg aggccgcgat 300
 gagaaccgca acttcgaaaa ctttcgctcc tacgatacgg tgacatccga gtggacattc 360
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 ttatcctcga ggttttaggt ttggttagg ggtcggagtt cataacgaag aagggcgtga 300
 25 tgagtccgc aagtaccatg cttctgctat taaagttcct ggccctgaag tagaaaagtt 360
 ggcggagtgt gccgggaaga acaatgtgta cttggtaatg ggagcgatag agaa 414

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 30 <212> DNA
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<400> 507
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 35 gtaactcttt tgtacaccaa aatgaaagct atgttgcgat ctaaacagag tttcgaaaaa 120
 agtatcaaac gataacataa atgtgtaaat atctatgcac actcgaaagt taacagagag 180
 aagaaccaa ccaaagtact gataattcca gacacaagaa ctcagtcttt tgagttaagc 240
 tgatggagtg tggctctgac tgttgatcaa tccgtacttc tctctgattc gggacctcca 300
 gttgtcaata ttgcttgatc cagaagatgt ctggtttgcc tgtggaccaa gaagattgtc 360
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 45 <213> Arabidopsis thaliana

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 tttttttttt ttttttaaaa gttaaacttc ttttttaatg aaaattaatc gcacttgtat 120
 55 catcatgtac aatgctaaaa gtaatgattg aggatcttaa caaaagaaat tgaattttct 180
 aacaaatcta gacaattgaa gcaagtgggt ttagtgagc cctagactca accaatgggg 240
 ttgtcttgtg tctagaatca tcttaactac atcttctaca aatgaatcaa aacaagaata 300
 gcaacaccct ttcacaggc tactaccact actgctactg ctgctgctgc caggtgtcat 360
 atgatggtga gtacacgtca ctggtggcgg aacaagatgg acttcactgc tctc 414

60

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10 <400> 509
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 atattagcta atacttggtc actttctctg gaacaagctt gagatgctgc gacttggtgca 180
 tagcaagacc agtcatgaca tccatgttga tatcatctgg ttcatccca ttagggagtt 240
 15 taaaattgaa gctgaggaga aggttcgcat aaggaacctc aagcatcgcg gcccgaagac 300
 gcattcccg gacattctc cggcctgacc cgaacggtat aaactcgtag tccgtgcctt 360
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 taggaaacac agtaacacac aatagcgtag agattataca ataaatgggc ttcaaaagat 180
 cagcccaaaa agaaactaag cccaataaat aatttctaac taacgtgtgg actcgggtgag 240
 tcatcatcta tctcatctcg gtgatggcgg tgatctcatc gttattattc cctccggtgt 300
 30 taacccgacg aacaatcacg atctgctcca actcatcgaa atcaatggcg gctaaaaaac 360
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 35 <212> DNA
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<400> 511
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 caaatacaac actaccaaca tcacttaagg atggtaaaga ctccatatta tccgtttggt 180
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 catggccatg tagaaccga aacaaaaatc tacatggctt gcgttttgga tgcaccactg 360
 45 tttgatccag gcaacaacct tctccctcgt gtccaagctc ttgagatggg tcgt 414

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 55 tctttcgtcg ctcccggtta tctctcacc gccaccggac ggctgcttt cgcgcagcag 180
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 ttggcgatgg atgataaact tcttgttgat gccatagctg atggtggagc agaacctgct 360
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10 <400> 513
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 gagaaatatc aaattcaagg agtttaggca gcagtttagg cacaatggaa agttcttcct 240
 15 aggttcgaac aaagtgatgc aggttgctct tggtcgttct gcagaagatg aactccgttc 300
 tggatcttac aaagtctcca agctgcttcg tggtgatact ggacttcttg ttactgatat 360
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 agaagcgaga gagctgctgg agaaagcgcc tgcacagctc tagttgcagt gatggcacat 300
 30 tggttaggat ccaacagaga cataatccca acaaggtcag agtttgacag tcttatcaga 360
 gaaggatcat ccgagtggag aaatatgtgt gaaaacgagg aataccggga acgg 414

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 35 <212> DNA
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 ttctctctcg agtttcttcc acgcattcaa gaaactcgga gggaatttct tcttcaccgt 240
 tctaataaac cttttagcgt catctctttt cttgttctcc accaatccca caaccaaatg 300
 cttcaaagtg ttgaaatctg gaatcttctg catatacaca ctcttcttga agatcgcata 360
 45 gccttgctcg tacaatcggc tataacaaa atgaaatatc aatgtcctaa aag 413

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 <211> 413
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 50 <213> Arabidopsis thaliana

<400> 516
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 55 ctggtgagaa ttgagcataa tcggtgccat ctacataacg aaattgttgt gtttttatca 180
 ctaaagcttt gatcgaaaca tcgagtttgt gactcatatc gatcttttta ttctcccggt 240
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atctgtccca	caggtgtttc	cgatccatca	gaccatccat	gcttctcaag	caactgttcc	240
25 agaaagttac	caaccacata	agaaatcccc	gacaccgata	cagcaattga	cccgtagtagc	300
agaatgctct	tcaggtagct	gcctctcggg	tacctcacat	gagctttggc	tatggcgagc	360
aagacgatgc	agaatagaga	tgccccgaaa	actgaagcaa	ctttgtagtc	ttt	413

30

<210> 546

<211> 413

<212> DNA

<213> *Arabidopsis thaliana*

35

<220>

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<222> (1)...(413)

<223> n = A,T,C or G

40

<400> 546

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aataggactc	cggcttatgg	accannggagc	aaaagagatt	ttgcagaacc	tttctgagaa	180
acaggggaaa	aaaatgaact	cagttgaatc	tgcccaaaat	attcccagct	ttctcgagtt	240
tttcaaggat	caaataaaca	tggccgaagt	caagtatcct	ctggaccatt	ttaagacgtt	300
45 caatgaattc	ttcgtacggg	agttaaagcc	tgggtgcaaga	ccaattgcgt	gcatggatca	360
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50

<210> 547

<211> 413

<212> DNA

<213> *Arabidopsis thaliana*

55

<220>

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<222> (1)...(413)

<223> n = A,T,C or G

60

<400> 547

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tctgatatgg	ggaggaagac	aaaactagaa	ttgagtaatc	tagtaaaatt	ggagacttta	120

5 gagaattnnn nnacagagaa tagcagcttg gaggatcttt gtggtatggt caggctgagc 180
acgctcaaca tcaaattaat tgaggagacg agtctagaaa ctctagctgc atctataggt 240
ggattgaaat acctggaaaa acttgaaata tatgatcacg gttctgagat gaggacgaag 300
gaagcgggaa tcgtatttga tttcgttcat ctcaaaaggc tatggttgaa actgtatatg 360
cctaggcttt ctacagaaca acacttcctt tctcacctta caaccttata tct 413

10 <210> 548
<211> 412
<212> DNA
<213> Arabidopsis thaliana

15 <400> 548
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aaacattaaa gacaaaatac tgtaaaataa aaaacaatct tcaaaacata gatatgctca 120
tgcatagaca gagggaaacct caaaaaaaaa attattttagc gtagtagccg ccgattcaca 180
20 gccggagggtg gcggtggctg agcttgaacc ggagtagctt gacgaggtgc acctccacct 240
ccccaccat tactctccca aggettaaca gtaaacacca caattaaaac cacaataatg 300
agcaatagca aaatggcaaa gcaagtccac ttccgtgtgt tcttctgata aaaccgtgcc 360
ttaacaagcc ggtccgcacc agaccgaaca agcgagttag ctcgtttgac gt 412

25 <210> 549
<211> 412
<212> DNA
<213> Arabidopsis thaliana

30 <400> 549
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cgcccgacac tttctttgga gatgtccact aggtatggtg ttcggtatag gaatagtgtg 180
acgtcatatt cctggaaagt gagagaggag agtgggggtc gcttgagaaa agtgggtctta 240
35 gtgttttgaa cgcacgaatg tatcatacat gccaacgatt cccacatgtt tagactcagt 300
gagtcaccca cgaacatcac tcgtttccct ctccatttct tcaaaaacgc ttccccatca 360
aaccttggga cggatcatga atcaggctgc caagagtacc tcggccgcga cc 412

40 <210> 550
<211> 412
<212> DNA
<213> Arabidopsis thaliana

45 <220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G

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gtgatatagt cgagaaaatg gcgtcgtgga tgaaagcggg gctaactctt actggcgctg 120
tagccacggc tatgcatcta aaggttattg ttctgtggc tatggatttc tcacaaaatc 180
cgattatatt gagctctttc ctcacgtggc tgaaaccgcc gtatctttac gtcatcacta 240
acgtcatcat catcgnnnnc ggagtttcc accggattac tactgtctcc agccacgtcg 300
55 acggcaaaaga ctatgaggct tcttacagtg gcgacaataa gtttcagact gatcatcagc 360
agatcggtcca agaagctcct ctaaggcgac gaacggagac gaaagatgcg ga 412

60 <210> 551
<211> 412
<212> DNA

5 <213> Arabidopsis thaliana

<400> 551

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	ctctacaaat	acaaaatctg	cctcatctct	tccatcagat	ctctgccgtc	gattctccat	120
10	ctacgaaatc	aaatccgcca	caaatgattt	cgaggaaaaa	ctaatacatag	gagtaggcgg	180
	gtttggttct	gtctacaaaag	gacgaataga	cggtggagcc	acacttgttg	cggttaaaccg	240
	gctggaaatt	acatcgaacc	aagggtgctaa	agagttcgat	acagagctcg	agatgctttc	300
	aaagcttcga	catgtacacc	tcgtctctct	aatcggatat	tgcatgacg	acaacgagat	360
	ggtaacttgc	tatgagtata	tgccacatgg	tacacttaaa	gatcatcttt	tc	412

15

<210> 552

<211> 412

<212> DNA

<213> Arabidopsis thaliana

20

<400> 552

	tcgagcggcc	gcccgggcag	gtcagagaga	gaaacaatat	ttctaatacta	ttacaagtag	60
	catgatcggc	caacttatga	acctcaaggc	cacggagctc	tgtctcggcc	tccccggcgg	120
	cgctgaagca	gttgagagtc	ctgccaaatc	ggcgggtggga	agcaagagag	gcttctccga	180
25	aaccgtttgat	ctcatgctca	atcttcaatc	taacaaagaa	ggctccgttg	atctcaaaaa	240
	cgtttctgct	gttcccaagg	agaagactac	ccttaaatga	ccttctaagc	ctcctgctaa	300
	agcacaagtg	gtgggatggc	cacctgtgag	gaactacagg	aagaacatga	tgactcagca	360
	gaagaccagt	agtgggtgcg	aggaggctgg	cagtgagaag	gccgggaact	tt	412

30

<210> 553

<211> 412

<212> DNA

<213> Arabidopsis thaliana

35

<400> 553

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	ttttcttatt	ggtacaatgg	ttgaggaact	ctagagcggg	aacaaagaaa	aagtagcgta	180
	acatatgcaa	aacgcacaaa	tatatatctt	gcacacggac	aagtcttttc	ttcatatcat	240
40	gtaattagac	aaatacgact	tttcatcaaa	gatgctcgca	agaaatcctg	cagtgtactc	300
	tggtatggtg	atatctttgt	acttagcagg	gttttcatca	gacaaaagat	ctttaatcgg	360
	tccataaacc	gtggaatttg	gagaaagact	cgagctaaag	aagcacgcaa	ct	412

45

<210> 554

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<400> 554

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	aatcacttcc	aggtacgccg	tatggcggcc	ctggctccgta	tccgcgtagt	taccctgtgt	180
	gttaccaccc	gtattgccgt	ccatgagagt	ttcaatttgg	tcacatgaat	gaattatagt	240
	caaataccta	tatcaagggt	atgtatgtgt	gtatattatt	atatgttttc	atcatttgat	300
55	ggagaataaa	aagcttagga	aatatatcca	tgttattata	tgtttcagtt	tgtaatatgt	360
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60

<210> 555

<211> 412

<212> DNA

5 <213> Arabidopsis thaliana

<400> 555

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10 cggacaagta	cgccacgcat	gacgtcatca	tatctacggg	ttctgtttca	tcatggacac	180
gtcagcggag	acgatgagag	ccgttgatta	gacaagaaga	agaagggacg	gctgagatgc	240
cttgacgcgt	tagctcagcc	aaaacgctct	ccgcggacgg	cggtttttagc	ccgagcggta	300
gcggcagcca	cggtttgctt	atcgcttctt	taaccacttg	atctaacatt	tcctcgcccg	360
gctgactcgc	cggcattatt	ttgaagccgg	tttcagctcc	gttgggatat	tg	412

15

<210> 556

<211> 412

<212> DNA

<213> Arabidopsis thaliana

20

<400> 556

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gtgaagatgg	ttcagtggca	tcaccacatg	gatgttttat	tttcttgag	ttatgataac	180
25 accatcaagg	tttgggtggtc	tgaagatgat	gatggtgagt	atcaatgtgt	ccaaacctta	240
ggtgaatcta	acaacgggtca	ctcttcaacg	gtatggtcca	tctcatttaa	cgtgcaggg	300
gacaagatgg	tcacttgtag	tgatgatcta	accttgaaga	tatgggggac	agatattgcc	360
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30 <210> 557

<211> 412

<212> DNA

<213> Arabidopsis thaliana

35 <400> 557

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cagttgatcc	ggagaagggtg	atcgcatcgg	ctgagaagca	ccaagctaag	atcaagttcg	180
tactcactac	gcatcatcac	tgggatcatg	ccggtggaaa	cgagaagatt	aagcagttgg	240
40 ttctgatata	caaagtatat	ggaggttctc	tggataaggt	gaaggggtgc	actgatgcgg	300
ttgataatgg	tgacaagctg	actttgggtc	aggatattaa	catattggct	ctccacactc	360
cttgtcacac	caagggtcac	attagttatt	atgtgaacgg	aaaagaagga	ga	412

<210> 558

45 <211> 412

<212> DNA

<213> Arabidopsis thaliana

<220>

50 <221> misc_feature

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<223> n = A,T,C or G

<400> 558

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cgttgcttca	gtttctggga	tcagctctga	atgaaaataa	cgcttcagcc	caaaaagttg	180
gagccatggc	tctctttaac	ttggctgtgg	acaacaacag	gaacaaagag	ttgatgctag	240
catcaggaat	tattcctttg	ctggaggaaa	tgctctgtaa	tccacattcc	catggttcag	300

5 tgacggcaat ttatctgaac ctctcgtgtc ttgaanaagc aaagcccgta ataggttcga 360
 gtctggcagt tcctttcatg gtaaattctt tttggaccga gactgaagtc ca 412

<210> 559
 <211> 412
 10 <212> DNA
 <213> Arabidopsis thaliana

<400> 559
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 aaacatcctg aacgagaata ttactttcat tatctatcat gtaagacacg tctagtccct 120
 ccagaaccaa gtgataaaca atttcctcat ccaatgtatc ttgtggcttg ttccgttgcg 180
 acattgatcg tatgtcccat gacaggacct gcgtgatcaa gctcctaaac tcatctgctg 240
 aactatatag agactttctt tctatcagtt tccagcagct ggtgatggat gaagagaagg 300
 tatctgagaa agtcacagaa gccacagcca atgagcagtc ctcctttacc cagtttggca 360
 20 ctgaggctcc ttgaatactg tccgagtatg gtaaataatg tttgatgtcg ag 412

<210> 560
 <211> 412
 <212> DNA
 25 <213> Arabidopsis thaliana

<220>
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 <222> (1)...(412)
 30 <223> n = A,T,C or G

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 aaatcacaaa accaatgact ctttttctgg ttaatgcttg tgattccaat ggggtagggg 180
 ttcatacaga ttagaatcag gagcaaatgg attctgcatg ccttcacggg tcacctgttc 240
 cggcaagaaa tttgccgtct cactctctg attttgtgct aaaccagcac tgggtgttgg 300
 acttgaattt gctggtttca aaatgtgggt agagtttggc ggaatactag aggangcact 360
 cgggtgtgtg ctgaatggta tgcccatggt tgggtcttgac caatgcaaag gg 412

<210> 561
 <211> 412
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 561
 45 cgcccttttt tttttttttt tttttttttt tttttaacca cacaagatac ttctttacta 60
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 agaaaagagt catcatgaca tttttaacaa tgaacaaact aaaaagagtc atcatgatat 180
 50 ttttaacaag aacaaactac aagtcttata gaagttttct tcggtattgg aagcagtttt 240
 tgcaggtcag agcatgcaat cagttcttgc aggaagcctt ctgaagaaat tgagaggaac 300
 ggatggtagt ttgtatctga acctcggatg tctcagagca tagattccaa tacaagagac 360
 cacaacctgg aaaggtgtca catagagaat gactgcggca atcaagcaga ac 412

<210> 562
 <211> 412
 <212> DNA
 55 <213> Arabidopsis thaliana

<400> 562
 60

5 gcgggccgcg atctgttact tcttctcctg gcgatcgctc ttcttgcgac gccggcggtc 60
 tccgatctgg ttttatccaa agtcgaacgt cgtatcgatg tgacttcaca gattgctcgt 120
 gttactaaga cccttaaggt tgtaaattct ggctctgaat cagtttctga gtttgctttg 180
 acattcccaa agtttcttgg taacaacttg gcttatctat cggttgctcc tagtgagggg 240
 aaggggaaat ctaaacgaac tttagtgaat ctctctgtga gagaagctga tcagaaaggt 300
 10 ttacctgatt caattagtgt ttactcagtt gcattaccca aaccactgag taaaggcgat 360
 actttgacgc tggaggtagt tgctgcattc accaatgtac ttcagccatt tc 412

 <210> 563
 <211> 412
 15 <212> DNA
 <213> Arabidopsis thaliana

 <400> 563
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 aaaaaaaaaa agttgaatat ctccgaagag attcagatta atcgacataa tatgcttctc 180
 tgcattgttc ttagctcatg agagatctca agcaccaatt gttgctgaat cttttccaca 240
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 agatcagttt caatgatctg atccaatgat cttgtaggag agtcagagca gagtaaactc 360
 25 cagtcaaaat gtctcatcgt ctctgaatc agatcatctt ctctaaggga tg 412

 <210> 564
 <211> 412
 <212> DNA
 30 <213> Arabidopsis thaliana

 <400> 564
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 35 aaaatcattc caatctccaa acacaagccc acactcggtc cttttccga cctgttccac 180
 gtcttgtttc tcccgtttca gcgacgcaca cgagccttcg aagaccactt ctccgcttcg 240
 taacagcctc atgagtcgcg ttctacatac ccgaccatcc atcactttgc aacctgcgat 300
 gtttactcca tcttcttcgg ttcttctctt tcctaagatc ttgaatatgc taagtacctc 360
 ggcttcacca gacacctcca tctccgaaac tcctggtgct ttttctacga tc 412

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 <211> 412
 <212> DNA
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 45
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 50 cagaaccaga gttagtaagg ttcttgtaac tcaacttccac gtctccttcg ttatcgtctt 240
 ctcttcttag atcactgaat gatacatctt ctctgtcttc accaaaagga tgatttgtgg 300
 ttgatcttcc tccaatggcg ctaactgatg aagtctcttc atcattcaac caatcatctg 360
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 60 <220>

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5  <221> misc_feature
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   <223> n = A,T,C or G

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   aaagcccttt gatcgatcga agccatcatc agcctctgct aatgcccctc ctactcttag      180
   gcctgcttct actcgagttc cttctcagag aattacacct cacagtgttc cttctccaag      240
   accaagttca ccaagagggt cctccccaca agccatctct tcaaagnngc cttctccaag      300
15  agcagagcca ccaacattgg aactcccaag acctccctct ccaagagctg cttctctaag      360
   agcagaccca ccaagattgg atgctgcacg acccaccacg cctaggcctc ct              412

   <210> 567
   <211> 412
20  <212> DNA
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   <220>
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25  <222> (1)...(412)
   <223> n = A,T,C or G

   <400> 567
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   gatacttagt atggacgtta agccttacac cttcacttac tcggaactta aaagtgcac      120
   tcaagatttt gatccctcaa acaagcttgg agagggagga tttggccctg tttataaggg      180
   aaaactcaat gatggaagag aggtagcagt gaagctattg tcggtgggat cccgacaagg      240
   gaagggacaa tttgttgtag aaattgtagc aatttctgca gtccaacatc gcaacttagt      300
   aaaactttat ggggtgctgt atgaaggaga gcatcgtttg cntgtatatg aataccttcc      360
35  taacggaagt cttgatcagg ctctatttgg ggaaaagact ttgcatcttg at              412

   <210> 568
   <211> 411
   <212> DNA
40  <213> Arabidopsis thaliana

   <400> 568
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   ttcttaacca gacgacatta atgaaaaacc ctcataaact agtagtgtct tcaacatgag      120
45  agattgggtc caggagtgcac cccaagcttc ttgcagaagt ccaagtaatg gttaaccctg      180
   ctctgcactg cagctggacg cccaccatta cattcaccac cgttgatcct cctcgtgggt      240
   gcaccaaacc cttggctcaa aaccggacgc acattcttgt tccaaaacca catggcacac      300
   tggaaagcca cagttgggct acgagccacc atatctgggt cttcaagag aggaagtcca      360
   aggaactttc cggctgcacc atagttgtag ttccatgtga tttggatcgg a              411

50  <210> 569
   <211> 411
   <212> DNA
   <213> Arabidopsis thaliana

55  <400> 569
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   aattatcctg atgaagataa aagtatatac aactctactt ttgaacctag ctaccactca      120
   aacaaagagt ttccactca gaggttatta taatcgtcaa atacttatcc acatccaaac      180
60  ataggaacct gaaatttcac tcaaaacact actagaacag agacaacca tgcaagagag      240

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5 agaatggtta agagaccctt acataaaaatt ttaacttttg aaagctacct gcaagatcgc 300
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<210> 570
 10 <211> 411
 <212> DNA
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<220>
 15 <221> misc_feature
 <222> (1)...(411)
 <223> n = A,T,C or G

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 aaatccaatc catcaaggca caaaagggtc aactgcagca cagaatgaaa caagaagcag 180
 aacagtttcg acagtggaaa gcctcccagag agaaggaact tttgcagtta cggaaagaag 240
 ggagaaaagag cgagtatgaa aggcataagc tgcaagcttt aaatcagcgc cagaaaatgg 300
 25 ttcttcagag gaagacagaa gaggtctgcaa tggctaccaa aaggttgaaa gagttgnnng 360
 aagctcgaaa atcatctcct cgtgaacact cagcttgtag ctcggccgcg a 411

<210> 571
 <211> 411
 30 <212> DNA
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 tcctcttttg cacagcttct tctgctttcc agtatgaagg tgccttctta accgatggaa 180
 aaggtctgaa caattgggat gtctttgccc atgaaaaccc tgggaaaata gttgatggaa 240
 gcaatggaga catagctacg gaccaatatc atcgatatat ggaagatc caatcaatga 300
 attttcttgg agtcaatagt tacagattat ctatttcctg gtctagagtc ttacctaatg 360
 40 gaagatttgg agttattaat tataagggaa taaagtattc caccaatttg a 411

<210> 572
 <211> 411
 <212> DNA
 45 <213> Arabidopsis thaliana

<400> 572
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 50 caagaatcca tctggccgct attcaaaacc aggtccgagg agcaaccaga atggctcctcc 180
 tcctcctcct tatctcgtgc atgctgtacc gtatcatcca cctccttttc cacctatggt 240
 gcctctgcca catgctgctg gtccagattt tccatatgca ccttatectc cctaccgggt 300
 tcctgtgctt cctgttactg agtctggcaa tgagaagcaa gttcaagctt cccctcttcc 360
 acctgtgttg ccagctcctc aaggggatcc tggaaagcct tggccgcac a 411

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 <212> DNA
 <213> Arabidopsis thaliana

60

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agcgtagaaa aggatcttag atttatagca gcaacaaaaa aatgtcaatg ccactacaac 180
gtggcatctc tggagtacga gtttctgata gcagtgatga tttgagagac tctcaaataga 240
10 aagacaaaaac tgaaagagct cgttctactg agaacaacaa cttaacctta aggtttcctt 300
ttggtttcct ctttagtaat caatcttctt ccaaacacgg tgggtggtggc gaaaacggtt 360
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15 <211> 411
<212> DNA
<213> Arabidopsis thaliana

<400> 574
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ttacaaggca aagtaccaa cacaaactct ctggaatcac tgcacaaaca taccctactt 180
atgttgctct cttttctctc aaatctcaaa atgaaccttc cgtttggttc gtttgctcgcg 240
tctctgatata agaatacagag atttctgaat ctgctccttg agatcttctc agcttagaaa 300
25 caagaaccca catattagca agctcattct ccagatatgc ttctctctgt tttgtttctt 360
ctaatactct ttcaagctca gcttctcttt gttctttttt accaagtgca g 411

<210> 575
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30 <212> DNA
<213> Arabidopsis thaliana

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acacctcatt tttgtactca agaaatcagc agctatgaga tccactaaag ccatgtacac 180
aagaattccg gctgagagcg agtccaagat accttcagtg accaatgctc cgacactgtg 240
agaattgaaa gacgacgcca ctgcggttcc aatcccgatc cctatcgggg ttgtgagggc 300
gaaaaaacia gccattatgg tcgctgattt gttcctgaat tgcgcttggg agatgcatcc 360
40 accgagcgca aatccttcaa agaattgatg gaaggatagt gctgcgatta g 411

<210> 576
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45 <213> Arabidopsis thaliana

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aagaacgaaa cacaaaagag aaaaaatcaa cataagttgt cttcaaataa cttggactct 180
cagataggtg atgatgataa tcaaaagcac aacgacgggt gaaggtgttg atgagggctc 240
gtaacttaga tgcgccataa cagaatcttt cagcttaacc ggcgattttc ctagagtagg 300
gattggaagg ctgtgtaggt ctgaggaaca tgtcaccact ttctcccacc caccctgcct 360
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55 <210> 577
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60

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 tatacacacg agaggatata caggagaggt tatagttatt agagaaggga tcggtgttgt 180
 gtgaagatgt aaacctcgtc gtaaccaatc cctgcgtatc cacagtaagt aggcttatag 240
 10 ttgtaaatga gattgctcag cactttctta gactctgggc tgttcagtga cttcctagct 300
 tcactgacta gatgatttgc ggcgtgctga ctcacctgga tcgcgtctc agagtgtgga 360
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<210> 578
 15 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

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 gaagctaaga ggaagaactt ggattctttg taattggaag ctttccatca tatgtgctct 180
 tcagtacatc tggtttcctc acaacccgag gtcctactgg aaccttccga ttctttggcc 240
 taatatcctg atcaaagatg gctgtaggta ttgctagtgt agcaacggca ttcggagaat 300
 25 caactatccc agatagtctt ctttcacatg gacaacatga gagtaagagg tacacctgtt 360
 ctttttgagta accaaatttg aaaagatagt ctatggcggt gagaactgcc c 411

<210> 579
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 30 <212> DNA
 <213> Arabidopsis thaliana

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 gaggatgaaa atgttaaagc gaagatgagt tttcacttcc agagttcttc catggggatt 180
 ccacgctctt gtgcaacatc gcggaactgt ctcactctgt gtactgctgc aagagtggct 240
 ctgcattgt tgagagcatt gttgcttcca agctgtttcc ccaatgcatt ctgcactcct 300
 gccatctcta gcacaatcct aaccgctcct ccagcaatca caccagtacc tgggtgaagca 360
 40 ggtctaagca tcaccttggc tgctccataa tcacctctg atctgtgagg g 411

<210> 580
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 <212> DNA
 45 <213> Arabidopsis thaliana

<400> 580
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 tcacatcaat ggaatatctt catcctcgtg cccattttct aattactgag caataaaaaa 120
 50 aaacatctac tggataatth gttctccata aaaaaaaagt caaacatttc taattacaat 180
 ttatacgtcg gtccattttt ctcaaaatga ctaaattgac cctactcggc gatcgtgctc 240
 aaattagccg tgaatcgctt cttcccttta ccgcaacctc ttccgccacc accgtttgtc 300
 ttaactccgg caatgttttt cttttggtta gttttttccg atgtcgttac atcgtcgtcg 360
 ccggaaaccc aaccgacgcc accgctcttg gtcaacgccg aactagcttt c 411

55 <210> 581
 <211> 411
 <212> DNA
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5  <220>
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    <223> n = A,T,C or G

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    ataattttctc aagtggcaaa aacaaaaacga catttcatcg aattcaccgc tcttttaaca 120
    gtttgtaaac tgcacctcag atttcatctc ccaaaaaacta ttctctctct ttgctctatc 180
    ttctcttctt cagctactaa ttgctctgtt taccgttact gccatcgcat tccccttcac 240
15  caaatccgtt acgagcttct tctttcgctt tcaaactctaa ttttccttct gttccgttgc 300
    tgttgtcagc cagttcttga tttgaaccgg gtgggaggaa cacaccagtg cctgnnntgg 360
    gcattcgagg ttgtggtgct gtctggtgtc gtggatgagg tggcagcagt g 411

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20  <211> 411
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    <400> 582
25  tcaattcttc ctctctcgg atccattttt agaggagtct agtttcttac ttgaacatag 60
    acatggaatc aactaataac tgacaaccaa gaggctgttc ttttcaaag attggtagta 120
    gttatattat gcttgacag tgccatgatg ggcctctgtg agatgaaaag ctgctgctca 180
    tggcttcttt tgatctcgtt gctttgctca ctatctaag aaagtcaagc gattagtcct 240
    gacggcgagg cgcttctgag cttcagaaat gcagttacta gatcagatag tttcatccat 300
30  cagtggagac cggaagatcc agatccatgt aactggaacg gagtgacatg tgatgcaaaa 360
    acgaaaagag ttataacctt gaatcttact tatcacaaaa taatgggacc t 411

    <210> 583
    <211> 410
35  <212> DNA
    <213> Arabidopsis thaliana

    <400> 583
40  cttttttttt tttttttttt tgcagctaaa atcacgagtt tcttatagta tcacataaga 60
    aaaggttcca taggttctct acagtgtcag aacttataag gtccatagcc aaatcaaadc 120
    gcaaataaag caccttacca ctgtgaaata ccttttaaca ttgtgacaca aaaattacaa 180
    acctaacaat caaacatcat tcagtacttg ctatacttac aaagttaggg ttcttatact 240
    tacctaaacc ctaatcccc gagggttgtt gaaccaatca cgattccttg tagttcctaa 300
    ggtcaaataga cattgtactt gagcaactcc tctcgggtgc tctgtaaact ccaaccagag 360
45  cctccgcctt gtcatagaag ctgtccttga gagatattac aatgctttgg 410

    <210> 584
    <211> 410
    <212> DNA
50  <213> Arabidopsis thaliana

    <220>
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    <222> (1)...(410)
55  <223> n = A,T,C or G

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    aaagtatatc tatcacaaa ctcacaaaag agataggtag aaacataatg acaaatcaca 120
60  atcagcacac cattacatta aaagtcaaat ttaccttttt aataagaaga taaaaaata 180

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5 tataaagaga agaccaagac aatttgactt gagtgattag gaggcattgt tggcctgnnn 240
 taatccattt cgaatctgcg ttgccacgtc agcgacggcg cctggaccgt gagggataaa 300
 caccgccgan gctttagaag ttgctccgat atctctcatt gtgtcaaagt actgagtcac 360
 catcaccatg tccaacacat ccttcgctga cgtccctggc acgtttcctg 410

10 <210> 585
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 585
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 agtcccaaga acatgtttat agctatctgt tttctattta ttctcttttg tctctataca 120
 aaacatggaa ctgttctggg acttctttgt aaaacctact atctatattc aaaaatatta 180
 caaaaaatta ccaaaaaacg gttccatctt ccagaaaaaca aaaacaaaga agaggaaaga 240
 tccgaacacc aaaatcttga cgaatctttt aacgaaacag atcagatgag agttgtagat 300
 tctgataaac ccgttgctgc cttaggtact ttcttctcca gcattgaggt tcctttgaat 360
 attgtaagct gcacttcctt ttggtactcc tgcaattgct ggtcagacat 410

20 <210> 586
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

25 <400> 586
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 ccgaacagct agggagaatt taagagcagc taagaaggaa ttcaacaaaa ctgaggatga 120
 tttgaagtct cttcaaagcg ttggccagat tattggagaa gtactacgtc ctcttgataa 180
 cgagcgattg attgttaagg caagtagtgg ccctcgttat gtggtgggtt gtcgtagcaa 240
 ggtggacaag gaaaagctta cttctggaac tcgagttgtc ctggatatga ctacgtgac 300
 aattatgcga gcccttcctc gtgaagttga tcctgttggt tataacatgt tgcatagaaga 360
 tccaggcaac attagttact cagctgtggg tgggttaggt gatcagatca 410

30 <210> 587
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

35 <400> 587
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 tcggtttgcc cttctcctcc atctccttcc tttatcctac catgacaatg cctatgtagc 180
 atcacgggcc ttacacattg tgaataccgt acacgccaat gctaccttca gtttgcgtga 240
 agggttcttc aagcatcagt cattgtttta caacgcgcaa acacaactcc tttcaagacc 300
 tgcagttgtg gagaaaatag tcgaacttgg aacagtctcg ttgggggaact catatcaatc 360
 ggttctttaa tccggcttca gcgacaaaaa atcggatcgt gcaaccagag 410

40 <210> 588
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
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 <222> (1) ... (410)

50 <223> n = A,T,C or G

55

60

5

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attccgtcca ccaccatcac caatccctcc aaagtccga tcaactcgaca ccgccggaaa      180
10 aatcgaagtc ctccgtgatc gtctcgggtc ctggttcgaa tacgctccac tcatttcttc      240
cttatacact gaaggattca ctctccatc aatcgaagaa ctccacggaa tctccgggnt      300
cgaacagaac agtctcatcg tcggcgcgca agttcgagac tcttttagttc aatccgggtgc      360
caaacgggag cttatagctg cgtttgacac aaatggagcc gagcttctct      410
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15

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<210> 589
<211> 410
<212> DNA
<213> Arabidopsis thaliana
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20

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acaagccaaa tcaaaccaa gtgaactact ctatatactc gataacaaga aacaagagac      120
caatagtcca acagactaaa ttgttaggaac aaagagagtc gtgacaaaca tatactcatt      180
gatgcttctt gattgatgat gaagcacttg tccatgcttt tatgagcttg gggaaatcaa      240
25 actgcgagca ctataataac aatcatgagc acgataccaa aaatcaccaa gagcaagcac      300
gtcagagaag aatttgatct ttgtgtcttt gatgccttac gagatgggat tttccttggg      360
cagttgcagc gtaagagtta tcgatgtgag taccaatatc atctatcatg      410
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30

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<210> 590
<211> 410
<212> DNA
<213> Arabidopsis thaliana
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35

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gagttgaaga aacaagcttc atttttcttc aaagagaagc ttaaaacggc gcgttttagct      120
ctcaccgatg ttactcctct tcaactaatg actgaggaag ctacgggatg tgagtcattg      180
ggaccaaata cacaacctt aggggtccatt tcaaaggctg cttttgagtt tgaagattac      240
ttggcgattg ttgaagtctt gcacaaaaga ttggcaaaagt tcgataagag aaactggagg      300
40 atggcttata actcactaat agttgttgag catctactca ctcatggacc agagagtgtt      360
tccgatgagt ttcaaggtga tatagatgtt atctcccaaa tgcaaacctt      410
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45

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<210> 591
<211> 410
<212> DNA
<213> Arabidopsis thaliana
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50

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aaaaaaatta cttgttgat acatatggta caactgggat ttcttcaaaa gttttaagcc      120
tactcgctccg tggaaaaata ttgccacgct gcagcagctc ctgcaactaa tatgattttt      180
aagataagtt tactagacaa gaccgaagat tcagcttctg atgatgatgg tgcttcaatt      240
ggctctccctc taatcttggc tgtgattctc gataataact gcttaagccc acctgttttc      300
tttctgtgct ggcttttgag aaacctttct tcttcaccaa ttcgtctacg tagaacattt      360
55 agcaatgatc caaaatacaa tgcgaagatg gtgcatgtga tcgtgattac      410
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60

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<212> DNA
<213> Arabidopsis thaliana
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5

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<222> (1)...(410)
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gttcttctta tatgagtggg tgtctgatac agttacgggt agagctagaa ggaacccgat 180
15 tgttggttct agaagctgct gatcatcttg ataaatttgg aaacaaaaaa gctcgaggaa 240
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tacaagttca tggagcagcc ggtgtatcct cggacacagt tttagcgcac ttgtgggnta 360
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<212> DNA
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25

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tttctctaata gtttttgggtg aaacagagac acaaattcca gctcaagtg aataagatac 180
atgccaggta ggttttagtgt ctaaagacga agccgttcga atggctgatg atgctgaact 240
30 tgatctgctg gctacaatca aagtgaacgg tgaatacgcac tacggatacg ccaaagcaga 300
agttggagta cataggctgg tgcgtatata cccgtttgac agtggaaaac ggagacacac 360
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35

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<212> DNA
<213> Arabidopsis thaliana

40

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attaacaata ttctgcaagc catcttagta tgttttaata ggcttataaa acacgtatag 180
cataagtagt tttaatagag aagaagaaaa cacaatttgt aaaagacaat gttatatagg 240
ccttttgagt ggactgcaaa gtttgtaggc aaaaccataa aaacttcaac gtctaggtgt 300
45 tcttctggtt ttaaagaacc tttctctgat tgagatcaac tcttttgcca cttcactcgt 360
tgccaaccgg ttcgtaggat attcttcaca gcacctaagt cccacctcca 410

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55

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gttctcacca ttggtgttgt gtacattgga gtgactgagt ttcttgggaa gagggagaga 120
gagaagtttg agaaagacga ggcagcaaaag aagtctaaga aagggtggaa gaagaaggca 180
atgagagcca gagctggacc aagaggtttt ggtcagaaga ttgaagatga tgacatcgac 240
attgatcttg agtgattttg tgtgtagtag agagacaaaag attgattttg tttgtaattgt 300
tgctcagtga ttgtcacatc tatgatattg ttcttgtgta ccaagcaact tgatggctga 360
60 tataacaaaa atattgcaat attacagaaa aaaaaaaaaa aaaaaaaaaa 410

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<212> DNA
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tctctctcta ttcgttggta taaaaaaaga agactaggaa aatgacggag tggcttccgg 120
tggtgggtcgc gacggtgttg tttgtgggtgc tgagcccggg attgttggtt caggttccgg 180
15 gaaacaacaa ctttgtagac ttcgggaaga tggaaacgag cggatactca atccttctcc 240
acgccttcct ttactttggc cttgtcactg tcttcaccgt cgtcatccac tttccgggca 300
cttaattcta tgtaatcttt acttacaaaa actttttctt cctatctatg cttttacctt 360
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25

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gaaaataaaaa gcagagtaga gccatcctaa acgtaattaa accaaaaccag actttgccac 180
atatttagtc agagactaag aataaagaac acaaaagtac atgacaagat gcgaagtctt 240
30 gcttctgttt aagagatgtt catagcttca gcatgatagc tttcgagatc tttgtcgaga 300
tccgcagcag acttctccac tggcttcttt ccacctcgcc caccgctttt attccctctg 360
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35

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tcgtggagcg taatctcgag tcgggcgggg caaggccgga tgtggatgtg tatgagcagt 180
cgtcggcagtg gacttaagat ccacaacaac atacaacca aattacatca gatcgatc 240
ctacaacaaa agtctcctcg acagcagcaa cattcggtta tcaccaccag tttcctgcgt 300
45 gatagtcatt atatgtatag ggacaacaac aacgatgggt catttttgagt tagtgatttg 360
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<212> DNA
<213> Arabidopsis thaliana

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tacaaattta tctaacaaat gccctggaaa atttatcacc tttgaggtga agaagataaa 180
cttaaaaaaa acatctgaga atcatcaaat caagcaagat tcagtagtct acatcttcag 240
ggttattttc cagtcacaca accattcatt aagcgagaat cggtttttgt ttcatagctt 300
ttgatatcgt aattcttggt cgataaaagg gtttcaaggc gcaggtacct ttttctcatc 360
60 tccttcggta gcagcggctt cattggaaca atggttcttg acaactgttg 410

5
 <210> 600
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 <212> DNA
 <213> Arabidopsis thaliana

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 gctatcacaa ctttacaaatc caaaataaca agagatatgt caactaactt aactgacata 120
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 15 ggccgtccat tttcagtcct tgctttatct gaaccagctg cgacgccaac accccatctt 240
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40 <213> Arabidopsis thaliana

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50 <213> Arabidopsis thaliana

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25 <213> Arabidopsis thaliana

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5 gaggtgcttg cccgtatatc atctcgcagc tcatgtcttc ataatttggg ttcattggtga 360
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5 ctaaatttgt atgttgcgtt gatgttcttg cattgttgtg aagaatccga gtatttgact 360
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aagacatgac caagatgggc gttacaaaca gcacagacaa cttcttgtct aggcataaag 300
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55 <400> 630
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60 caaaactctg atacatgccc tcgaggttgg gtaaaccgca ttctcgaaaa ctcaggtgat 300

5 gctaccaatg agcactgcaa gttaggggtgt gaaacttctg tgtgtggtgc catgaacact 360
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10 <212> DNA
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atggtgacca tgatgatgat gatgatggat aaaacatgca tatgtgcgga catttccaga 180
ggcagttttc caaagggctt tgtctttgga actgcttctt cggcttttca gcatgaagga 240
gcggtgaagg cagaaggcag aggtcctacg atatgggaca cattttccca cacttttggt 300
aaaatcacccg atttttagcaa tgctgatgtc gctgttgatc agtatcatcg ttacgaggaa 360
20 gatgtacaac ttatgaagaa tatgggaatg gacgcttaca gattttcc 408

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25 <213> Arabidopsis thaliana

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30 ttatcaacag tctccgacgc ttggcgcgta ccactcaggt tcatattgcac agtaggtatg 180
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ggcagagtgc tgatttagat cccttggtca ttgcaaagtc tgagggaagt tatgtgtatg 360
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35 <213> Arabidopsis thaliana

<400> 633
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45 atagatagat atttcttgct taatcgatgg ataggcgtgg aacacaaaag tccacaagca 240
gcacagatgg ccctacgccc gccaaataaa acatcctgct caaagccact ttgacaacta 300
caaacttctt cttgtaccat accttcacta ttgccatgga ctttcccttg atcttctctg 360
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50 <213> Arabidopsis thaliana

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60 ttgtgtatgg agcatggatg gatgggaaaa acaagctagc aaacagatac aaattccaag 300

5 cgggcattca ccaaattccac ttgctcatatc acgcgttcag ttccatcaag accagatata 360
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 acgcttgccg aaatgttact acccggtgat ttcactcgtc tccaagacct ttaggcgtct 180
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 accctttgga aatgattcaa ataaccatag attgnttccg attccgtcgn ntnnnntogat 360
 25 tccttgctgg ggaatgtcaa ttgtcgctat tgattctgaa atttacgt 408

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 30 <213> Arabidopsis thaliana

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 35 <223> n = A,T,C or G

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 ctcaagtgat tatccactc ctggaactga gaatggagtc aacattgatg ttaaagcaag 180
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 ggattttatt gtgccatctt ctgggaaacg aaaacgtgat gattcatctg cacactatca 360
 45 aaatggtgga tctatactc aacaagatgg tgcaagcgat gctatccc 408

<210> 637
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 <212> DNA
 <213> Arabidopsis thaliana

50 <400> 637
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 agaacacact aatgtacggt acttcatggt actgtacgga agattagata agaaagaagt 180
 55 gacacacgac gatggatcaa agcttgaatt atgcatgaga atgggtagat cagcaatgtc 240
 tgggtgcagaa gcaacgacga cggaatccac ggagttacc tccgacaaaag ccttcgttgt 300
 ggcacacggt ggcgagttt gatgcactca cgcatgtacc cttgaacctt tggtctgctg 360
 actcacaagt gcgtgcctcc acagtgactg gtcccatccc agtggcga 408

60 <210> 638

5 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<400> 638

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 15 tataacaacg ttgatgttga agctgccaat aagtatggaa ttgctgtcgg taacactccg 360
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<210> 639
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 20 <212> DNA
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<220>
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 25 <222> (1)...(408)
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<400> 639

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 35 atccctttca tttgattcaa cccttcagct aacaacttag ccttcttg 408

<210> 640
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 40 <213> Arabidopsis thaliana

<400> 640

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 agttatccca gcaacctcaa agacaagatt atctccagaa gatcgaatcc cagtaataga 300
 ccacgacttg aaaaacgccc gaaccggaat cccttgagc tccgcgatct taccctgaga 360
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50

<210> 641
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55

<400> 641

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 aaagcctttt ctcaaggcca caatgatggc tcaaaaagtg aacatctttg aatccagcca 180
 aagcaaaacc tgaatgcaat gattcagtta ctccggactc atcattcttc ggctacatga 240

5 tttgaacggg tacccgagtc actagcacca gcggcttttg tagccgcttg tttcttcttc 300
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<210> 642
 10 <211> 408
 <212> DNA
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<400> 642
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 tccttctcgt cctcgtctgt gcagctactg ttgctgctcc actcacattt caaggtagat 240
 ctcggagaac cacaatacct tcctagcttc tcaaaaactct gatacatcac tgttctcttc 300
 20 tcttctccta gagactccat tgttgactct ttgcatccgt aatcgtctag gtccacagag 360
 agaccagagt cgtagctctt ctgtgccacg gtcgagtggg cagctaca 408

<210> 643
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 25 <212> DNA
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 gaaaacaagt ttcgatgttc caccgaagtg ggcaaatctt taaaccgtac caaactccca 180
 taaagactcc aatacactta gaatgaaaaa gcaagagaca aattggttgg agcccaaac 240
 catgtgggtc aaagtctctc taaggagtta cttactgctg ggcacattgc accctttgag 300
 caccaccggg atgggtcatc tcttcatcgt catcatcata agcctctctt tgagcttgtg 360
 35 ccttctctct catctcatcc tcaatgttga catcgtggag cgtggtct 408

<210> 644
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 40 <213> Arabidopsis thaliana

<400> 644
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 aaaaagagag tttcttttgt tttcctagta cttatactta ttgctattct tttgtacaaa 180
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 tcgtctcttc taacaatcca ctcttctctt ccactaccgc ttctgctaac tttttacaag 300
 aacctaactt aagagagatg gaaggaacct tgaccttcgg ttatggcata aatcagcttc 360
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50 <210> 645
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55 <400> 645
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 60 gtacacttca tatttgcaaa cgccatggtt tcttttgaac atcttatatc gagctatcct 240

5 ggaccattgg agattgtctc aatcttgtgt ccggatcctc atttcaagaa acgtcatcaa 300
aagagacgtg ttgttcaaaa gcctttgggtg aattccattc ttcaaaacct aaaacccggg 360
ggaaaaatat ttgtgcaatc cgatgtgctg gatgtggctc aagacatg 408

<210> 646
10 <211> 408
<212> DNA
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<400> 646
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aatctttacc ttagagtcaa tcacatatat gtgaactcag atgacataaa ggaaaccgga 300
20 tacacctaca tcatgccaaa gaacattttg aagaagttca tatgcggttg ggatcttcgt 360
actcaaattg ctgggtatatt atatggtatt agtcccccg ataatccc 408

<210> 647
<211> 408
25 <212> DNA
<213> Arabidopsis thaliana

<400> 647
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caagacaggc tgcacttggg gctgggattc cctattctgt gatctgcacc actatcaaca 360
35 aagtttgtgc tgcaggaatg aaatctgtaa tgctagcgtc tcaaagta 408

<210> 648
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40 <212> DNA
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<220>
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45 <223> n = A,T,C or G

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agaactagaa tataagcaga cgacatgcat agagaagtcg tcaactgcaa taaacagaag 180
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agtcacacac agggaaatct tacgagggtg gaagacatta tcaacagagg agatgagatc 300
aagggttgat cacagaagta gaagagaggc aagaaccatt gcgaaaacag aaagtagaag 360
agatagagtg attcgggttt gtccactagg tgcttgtgca ttggttg 407

55 <210> 649
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60

5 <400> 649
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 tccgccagat cgattctcgg ttacgccgtc aagacgcgga ggaggtcttt ctcttctcgt 180
 tcttcgtctc tcctattcga cgacactcag ttacagttta aagaaagtgt atccaagtgt 240
 10 gcgcaagata ttatcgctcc tcatgcagaa agaattgata aaactaattc atttccaaag 300
 gatgtaaaact tatggaagct aatgggtgag tttaatctcc atggaatcac tgcgccagag 360
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<210> 650
 15 <211> 407
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<220>
 20 <221> misc_feature
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 <223> n = A,T,C or G

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 ggccgtcttt tctgtgctgt aaaagacttt tgtogaatca ataaattaaa caacatccgt 180
 ttaaacctca tacgtcacac ggtgtgacaa caacacattc gccctttaac acgaatcttt 240
 caccgaatcc atagtcataa gacgcctcga atgagttttc atcaagtga acgtccgttc 300
 30 acaacatatc catgaaggtn nnaacagagg cacatggcac atgttatcca acgccgtcat 360
 ctccagaaga cgcctagaat acattagacg cactttattc gacgcag 407

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 35 <212> DNA
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<400> 651
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 aggatgtcga acgaggaaca tttagtcacg gtcattctgt ctttcatgac caggaaactg 180
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 aaagcccga ctcgttggtg ctatgggaag ctacgtttgg agacttcgcc aatggagctc 360
 45 aggtgatatt tgatcagttc atcagcagtg gagaagccaa atggctg 407

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 55 <223> n = A,T,C or G

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 60 aggaagttgg tgatgatgct atgcacgtc tacgattaac atcgaatctt gaagatttgt 180

5 gttctgctga tatcatcgat gaagccattg tggaatcaga agacattaag aagaagctgt 240
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 tatccattac tcgtcttgca tctgctacga gaagaccag ccaggtcatt ggaatgcact 360
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10 <210> 653
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 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 653
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 20 tagtcaggat agaacacaac gacagaagtt aactgatatg ccgttggttca caccgagctc 300
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<210> 654
 25 <211> 407
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 <213> Arabidopsis thaliana

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 tactattagt tataaaatga gatgaaatgt gttttttttt tttcttttta atagttcaca 240
 agcaacacat gcatctatga gaagatcaat atacaaatta caactttttt ttgtataatc 300
 35 tcgtctcttt caatttaa atgtgaaatct ttctttaaca agcagagcca gcttctacca 360
 gcttgcttaa tttgtgtgtc cttaatcttt ctctgtaaac ttcactt 407

<210> 655
 <211> 407
 40 <212> DNA
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<400> 655
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 50 gtctgtgaaa ctcttctaga accggagggt cctgcatgta gagagtg 407

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 55 <213> Arabidopsis thaliana

<400> 656
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5 tgatgactta tcggcatgtg ttacagttga attctaaagt caacacgtgt tttcggataa 240
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 ccaattttct tgctgcacaa tcgttgtagg ctttaagtct tgtatctttt gtttaataaa 360
 attcacacgg gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 407

10 <210> 657
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15 <400> 657
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 <210> 658
25 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <400> 658
30 tttttttttt tttttttttt ttttttagaa gtaaaaaaac gattgtaaat cgtacttgta 60
 tccttaaaaa attgaaaaag aagttggtaa aaaaagaaga tatgaatatg tataatgtct 120
 tagaattaag ttgagaaaga aatatcctag caaaatccga gaaaattaag attgtacttt 180
 tggcatccaa aaaaaagagc gaaatccaac accagatagt atagaagaaa ttaaaaacaa 240
 ccgatgcccc caaaggagtg tttcatatga cttgatagtt ctgggcaatc agctgcgtcc 300
35 tctgcacaaa ctaggagtc gcaccaccac ctctctcag aggaatcatt ccagtcacct 360
 tcaagccact gtaggtactt gtcgctgcaa actgaacaga gatggggg 407

 <210> 659
40 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <400> 659
45 ctttttttgt ttttttagta ttttattgac tagcgttcgt tctttttttc tatagtggag 60
 atagtgcgac gtaatgacag atcacagcca tattattaaa agcttgtggg aaaaaggggt 120
 ttcgtttctaa tgcccgaaaa taatattcta aagctttggg atgttcccca ttacttgtat 180
 ggataaggcc tatattatag agtatataac ttcgatcata ggggtcaatt tctagtcgca 240
 tagcttcata ataattctgt aatgcttccg cataatttcc ttcagattga gccgacatcc 300
 gttacggtcg tcattcgctt taacgaactc tccgtttcag aaccgtatgt gagattttca 360
50 tctcatacgg ctctctcttt aggtgcataa tgaaaacgga cgcgtgg 407

 <210> 660
 <211> 407
 <212> DNA
55 <213> Arabidopsis thaliana

 <220>
 <221> misc_feature
 <222> (1)...(407)
60 <223> n = A,T,C or G

5

<400> 660

	tttttttttt	ttttttgatt	gtctcacaaa	ttctctcatt	aacgagggag	gataaataga	60
	attgaattcg	aaatctgacc	agagaacgac	attaactcga	aacaaattca	taagatcatt	120
	acaaaaggaa	aaatcaagag	acacaaacca	aaccaaagaa	cccatttttt	tttttnmmt	180
10	agcaaaccaa	tcacccaaaa	ctgatataata	ataaaccgga	ccatgactct	gcaaattaaa	240
	gaaacacaac	ctcgggtcaa	agacactctt	cactcttctt	cttcacata	actaagccaa	300
	gattcttcac	ttcttctactg	ctgcttacat	tccgggtggc	tctcacctgc	ttgaccttcc	360
	gcaagttgac	ttcttccagc	cttcttgtgc	ccagctgatg	acttctt		407

15

<210> 661

<211> 407

<212> DNA

<213> Arabidopsis thaliana

20

<400> 661

	cttgtgggtt	agttactccc	aggaaacaaa	caatgttagt	gttaaaatct	ttttctcttc	60
	ttttccacat	ttttcttttg	tcaaaattga	ttgagtgtac	caaactttag	ttgagaagaa	120
	cattttgtgg	tttttaggagc	tgtgggattg	acgtgacatt	agaatcatcc	gttgtttccc	180
	actttctgat	cttacaatth	ctcctttctc	tatagtactg	tctggagaaa	accatttcaa	240
25	caatatccca	agatgtacaa	ctgctggtat	cattttgaaa	accagcgggtg	tcgtaaccag	300
	gcttagagcg	gttgtcccaa	ggagaagcag	atagagtthc	ccttcgatga	ggtgaagatt	360
	ggaggcacgg	ctaagtagta	caaaggcaaa	ctcccctatc	tgagcca		407

30

<210> 662

<211> 407

<212> DNA

<213> Arabidopsis thaliana

35

<400> 662

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	caccgttaca	atctcaagcg	caagatagct	gggtgttcctg	gagtaacaga	ggcactatth	120
	gaagctagac	aagctgctat	agctcaagag	aagggttaaag	ctggtgaagc	accgatgctt	180
	tatagttgtg	gaatctgtaa	caaagggttac	aggagtthca	aggctcatga	gcagcatctt	240
	aagtcgaaga	gtcatgttht	gaaggcttcg	acgagtactg	gagaggagga	taaagcgatc	300
40	atcaagcagc	ttccgcctcg	tcgtgttgag	aagaataaca	ctgctcaatt	gaagggttcg	360
	attgaggagg	aagagagtga	agatgaatgg	attgagggtt	attcgga		407

45

<210> 663

<211> 407

<212> DNA

<213> Arabidopsis thaliana

50

<400> 663

	aagttctttg	attctccaga	aaattggacg	aagcttttga	ttcaaattcc	agaattaaaa	60
	aaaaacagaa	aaaaaattct	ttaggttttc	attttgaatt	cttaccagag	agtttcaatg	120
	gtggtagcaa	cgaccatagc	gctttacgcg	agtccagcga	gcaactgtatg	ttccacagct	180
	caccaaataca	acgctcatat	ctcatgtgac	ctcgatctga	actctagatc	ttcatcggcg	240
	tcttcttcca	cgagttcgcc	gactatcgga	gggtctctct	tgcttttctc	cggcgcttcc	300
	gtcaaatacat	cttcctcttc	ttcctcatcg	catccatccg	taggagagga	attagcttca	360
55	atacgccatg	atcgtagcga	ggatcggacc	ttaagcggat	ccttctg		407

60

<210> 664

<211> 407

<212> DNA

<213> Arabidopsis thaliana

5

<400> 664

	tttgttcgat	tttgtgatca	tggcgggtcat	tgagagcgtc	ggagctaata	ctactgtgga	60
	agctgggtggt	ttgatctcgc	cgtcgccgcc	gtcttcgcgc	accagtcaag	aatcaggagc	120
	ttcttctaac	aacgatcacg	gtggaaatgg	aatccatgat	gagatcggag	tccacgtggc	180
10	gagatccgac	ggtggtgaga	gttttaagcg	tgatatgaga	gagcttcacg	agctcttgtc	240
	taagcttaat	cctatggcta	aagagtttat	tcctccttca	cttactaagc	cagttgttaa	300
	tggttttaac	ggcggtttct	tcgccgttaa	taatggcttt	gttgotgccg	gaaatttccc	360
	cgtcaacgaa	gacggtagct	ttcgtcggaa	gaagtcgttc	ggacaac		407

15

<210> 665

<211> 406

<212> DNA

<213> *Arabidopsis thaliana*

20

<400> 665

	tttttttttca	ctacaaaaat	ggcacttact	aaaagaaaca	acaagagaga	cactagttca	60
	cagttagtaa	cctcctcact	agctctaaaag	ccataataaa	gctgacaaat	cctccaactg	120
	atagaaaaca	ttacatttag	aaagaaaaag	aaaacaagtt	ctatagagaa	aaggaaaaat	180
	gttacaacag	acacgtaaga	caacaaaagg	gagaaaagct	actgagccac	tgtagaagca	240
25	gtagctcctg	attcatgtga	agacttatat	tccaacatct	caattctgta	tctctccaca	300
	tccttaactc	ctttgtcttg	ataaacctgt	ttctcagatt	cagtgagatt	gctccacatg	360
	tgtcctatth	tcttagtgat	ggatcgttct	tgtccatggg	actcag		406

30

<210> 666

<211> 406

<212> DNA

<213> *Arabidopsis thaliana*

35

<400> 666

	gaaaccataa	agttgaaaca	tcaaagagac	actactctca	acgttaccaa	aactgtatga	60
	aagccaaaat	aacattattg	cctaaaccaa	caaacaacat	caaattctca	ccggtgagat	120
	ttaagattca	agaatcaaca	acacaccaa	ctagagcttg	aggaaaacga	actcctcaac	180
	cgctggaatt	tccccaatct	tcttcagtgt	ctctttgctt	ggtatgtcat	ctactccaat	240
	cgccataatc	gcttgcttcc	tcggtgcaat	tctcccaacg	ctcatgaagt	taacattgac	300
40	attagactct	ccaaggatgc	ttccgacagt	cccgatcata	ccaggttgat	ccacctgcct	360
	gcacagtatg	atactacett	caagagttac	atcgacctca	aaagat		406

45

<210> 667

<211> 406

<212> DNA

<213> *Arabidopsis thaliana*

50

<220>

<221> misc_feature

<222> (1)...(406)

<223> n = A,T,C or G

55

<400> 667

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	caaagagcaa	cgtgacatga	aacaattaat	aagttaaaag	ttgcacagaa	ttatatgaaa	120
	ataaactaga	tgaaatgtag	tagtactttg	atctcaaact	ccaggaagtc	ccttttcggt	180
	tgcaatcaaa	cttcaggaaa	cacaacttct	atcatacttt	cttccccaag	aaaactcttc	240
	aaccgtttta	cctcgtcatc	actttctcca	tattccagaa	tctgcaactc	cttcacttgg	300
	ttcagaggca	tggagacatc	gagtggttaa	cnattcagat	cctcgatgat	gagagtttca	360
60	agcttttgag	actgtttaag	tatatctgca	agcaatttcc	aagctc		406

5
 <210> 668
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

10
 <400> 668
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 tacaacgaaa tctgtatgga aacaaacaat acaaaatata acaggataga attatacaag 120
 tataagtgtg tagtctttac ccaaaaaaaaa acaagaacta tgactatgag accaaccata 180
 15 cgacatgggt tttactaagg aaacaatgat gtagacagac ataagtgcac ctctgcaaag 240
 agacaaatgg tataacggta aaacgggtact ttaagattgt gggatgggct tcaaagtagc 300
 tgggccttct cttcgcttaa ggagttccgg gaacttttgg gaattccggc aacttgggaa 360
 gttgaggcat cgtcggtagc tctggctttg gaactctctg aactgc 406

20
 <210> 669
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

25
 <220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

30
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 ggtaagggtc gtaaaagtgt gcaatctctc ttcaggagca actgagcatg atattaaaga 120
 gtttttctct ttctctgggt aagttgaaag catcgatatc caaagtaacg agcatagtgc 180
 ttatgtcaca tttaaagaaa ctcaaggagc agagactgct gtgctcttat ctggagcgag 240
 35 tattgccgat caatcagtc tcatgtagtt ggctcccaac tacagtccac cagcagcccc 300
 tcatgtctgaa acacagagca gcggtgcaga atctgtgtgc cagnnnncag aagatgttgt 360
 gagcagcatg ttagcaaagg gtttcattct tgggaaagat gctgtc 406

40
 <210> 670
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

45
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 ctgagaactg cacagatgag aaaaatctcg cttctgattg ataaggcgag aatagagaag 120
 gaccacgagg ttttagagat aggatgtgga tggggaactt tggccataga agttgtgaga 180
 agaactggat gcaaatacac cgggattacg ctatctattg aacagcttaa atatgctgaa 240
 gaaaaagtga aagaagctgg acttcaggac tggattactt ttgagctccg cgattatcgc 300
 50 caactatctg atgctcagaa atatgacaga atcatatctt gcgagatgct agaagcggtc 360
 ggacatgagt tcatggagat gtttttcagt cgatgtgaag ccgcac 406

55
 <210> 671
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

60
 <220>
 <221> misc_feature
 <222> (1)...(406)

5 <223> n = A,T,C or G

<400> 671

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tagtattctt catgacctgt gcttctgttg actactgggg actcgtactt tcaaaaattc 120
10 ctgccctgaa gtccatatct ttaattccta tccatgggga tatgaagnnn natgcaagag 180
acaaggcatt agcttcgttt actaaagcat caagtgggtgc ccttctgtgc acagacgttg 240
ctgcacgtgg acttgatatt ccaggcattg attatgttgt tcagtatgat cccccacaag 300
acccaaatat gttcaaccac agggccggca gaactgcaag attaggaaga caagggaggg 360
ccatttgtgtt ttactgccc aaggaagaag cctatgtaga gtttat 406

<210> 672

<211> 406

<212> DNA

<213> Arabidopsis thaliana

20

<400> 672

aaaatggcat ggcgagtgat agcacgctct ttcgtctccg ctacagctag agctccgtct 60
ctccgatctc cgccgccaac gcttccccgc ctccgtcctt cccaatcctc tttgccccgc 120
cgccgatttg cctctttcac taatcccagg aatttgggag agctaggatg cacagagtca 180
25 ttcttgcttc tgtacaatgt tgtgggtgca gcgagactca catctcacct taatgttaat 240
ctgcgagctt tctgcgaact ctctaacggg aatggaaaag atgggtgatg gaagtggatt 300
ttcagtcgct ggcaagagag gtgctactgc tttgtacttg agaatgcaca aagtggatac 360
atcagttatc ttgcagcagt tggagacttg agaaaagggg tgtacc 406

30 <210> 673

<211> 406

<212> DNA

<213> Arabidopsis thaliana

35 <220>

<221> misc_feature

<222> (1)...(406)

<223> n = A,T,C or G

40 <400> 673

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cactttgcaa cagaaatgtg caaaaagatt ttggcccatg gaatcacttc ccttcatctc 120
tacacattga acgtggacaa atcagctann nggatattaa tgaaccttg tctgattgat 180
gagtcacaaa tttctcgctt tctaccttg agacgccttg caaatgtttt cagtactaag 240
45 gaagatgttc gcccaatttt ctgggcaaac cgtccaaaaga gctacatata tagaacaag 300
ggctggaatg acttcccaca tggacgttgg ggtgattcac acagtgcagc atacagtaca 360
ctttcgatt atcagtttgc gcgccccaaa ggacgtgaca agaagc 406

<210> 674

50 <211> 406

<212> DNA

<213> Arabidopsis thaliana

<400> 674

ttgactcagc ttcacctctt gctcttttga tctgaatgat tttctcagcc tctgcttttc 60
gctcgtgcc actctcatcc tcgcccgcc gttgatttcg ttcattggac gtttaacctg 120
ttgatcaggc tcaatgtcga taattagggg ttgaaggatt tcgtaacct aagcagtcac 180
ggctttgtct agctcttctt ccacagattt ggcaatttca ttcttctgct cgaacacatc 240
gtccaagttc agctttggaa cacatgctct gatcacatca aagacgtagg ccttgatttg 300

5 ggtggttggg ttgctgagtc tgtaaaaagc atcacttgcc ttgtcagcta agactctgta 360
 ttgtatggat gcaaccactg tcacaaacac attgtccttt gttttg 406

<210> 675
 <211> 406
 10 <212> DNA
 <213> Arabidopsis thaliana

<400> 675
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 cagatcgaaa tcgagaagaa gatgtttctc actaggactg agtatgacag aggagtcaat 120
 acattttctc ctgaaggctg tctctttcag gttgagtatg ccattgaagc tatcaagctt 180
 gggttctactg ctattgggtg aaagacgaaa gagggagtgt ttcttgacgt cgagaagcgt 240
 attacttcgc ctttactgga gccgagtagt gttgagaaga ttatggaaat tgatgaccat 300
 ataggttgtg ctatgagtgg tctgattgct gacgcgcgaa cacttggtga gcatgcacga 360
 20 gtagagaccc agaaccacag gttctcgtat ggtgagccaa tgactg 406

<210> 676
 <211> 406
 <212> DNA
 25 <213> Arabidopsis thaliana

<400> 676
 30 cactccacat aataaacacc aaagatttca ttctcttctc cataatttctg aagtttcttg 60
 aattgggttt gtttcttgat ttgtttcttg aattgggttt tgggtcttctt ttcttactat 120
 atttgatgat gatgatgggt caagatgagg ttgggagtga tcagacgcaa atcataaaag 180
 ggaaacgtac gaagcgacaa agatcgtctt cgacgtttgt ggtgacggcg gcgacaacag 240
 tgacttcaac aagttcatcg gccggtggaa gtggaggaga aagagctgtt tcagatgaat 300
 acaactcggc ggtttcgtct ccggtgacta ctgattgtac gcaagaagaa gaagacatgg 360
 cgatttctct catcatgtta gctcgtggga cagttcttcc atcgcc 406

<210> 677
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

<400> 677
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 tgcacctgga gggtttcttt ttgagtgggt gtctgtgttt tgggacattt tcattgcaag 120
 gacgaatgag aagcattcag aggctgctgc agcttatata gaggcacaac aaggtaaagc 180
 45 gaaggagcag caaatgcaaa tacagcaact gcagatgatg cgccaagctc aaatgcagcg 240
 tagggaccct aatcatcctt ctcttggcgg tccaatgaat gctattgggt ctgaagggat 300
 gattgggcag tctaattgcta gtgctttggc tgctaaaatg tacgaggaac gcatgaagca 360
 gcctaatacct atgaattctg agacatccca acctcatctt gatgca 406

<210> 678
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

<400> 678
 55 ttgaattagg cgatttcgat tttattgatt caaaagggtc gaacaaagac gtaacaaagc 60
 caagaagaaa agaaaaaac tacaaaaacag taaaatgtca aacacaagtt atgcaaaatc 120
 acgacgacag ttatgttttt gcttttagtt ataaagcgcc tcaattagag acagcctctt 180
 ctttctactga aggacaatgc actattgtga agctgccacc attcatcgaa ttctgtctct 240
 60 caagctcctc ttcttcttct tcttcgtgac tactaaaacc gatggcatca aatatcatag 300

5 tgttaacttc tctgaatctc tcctctgata aagaaacttc agctagtaac ctccatgcct 360
tctcttctga cgctccttca tagtcttctt tcctccggac gcgtgg 406

<210> 679
<211> 406
10 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
15 <222> (1)...(406)
<223> n = A,T,C or G

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20 cttttttttt tttttttttt aagcaaaaca ctttttgatt tatttcattg atgaagcata 60
aaacaaatta caacaatata aagatatcat caaacgagga attttaaaaa caggaatgaa 120
atgtgagata tagaaatctc aatttaaaat gtgtaatctc taggcacatt tgaaaccaga 180
tggaaccttc ttaccacaat ggtttaggac aacgttcaaa gaaatgggaa cattaagggtt 240
gataccaaga acattagcct ttagggcagt gcaaagacag accgcggcct caagatcaac 300
tagacctttg ataagagcgc aacngttgga cgttggtggc agagaaacct taaccaaatc 360
25 caacacgtta gcacatacct taagttaaag agcgtcttta caagtg 406

<210> 680
<211> 406
30 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(406)
35 <223> n = A,T,C or G

<400> 680
40 tctagagcgg ccgccctttt tttttttttt tccaaaagga gaatgggtgg ctataaactt 60
tctgttggtg cgtcacacct ggatatccta acttatagat gcatgaccat acatagaaca 120
atctacttac actccactta atcttcgtcc tcacattttt gttgtctgaa atctcatcag 180
gtaggttttg gacaaacgat atgcacaccg ctaagaccac actgtggaac ttgtagtatt 240
actgagattt gcccttctgc cttcaagnnn nnnccgagca catcatccaa attgaagaaa 300
tctcccaaaa gtgtcatgtt tctcctatct ctggattgca ttgcgctatt ttgccaacca 360
45 atgcaccaca ttccttcacg agggaaacaga tagtcatgag gataaa 406

<210> 681
<211> 406
50 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(406)
55 <223> n = A,T,C or G

<400> 681
60 tttttttttt agaaaatatt agtgaccatt acattacacc tcaaaacaac tgctgatttg 60
aatgtttcta aaggaaagtg atattacgan nnnnncaaaa ccataatact gaaaacacaa 120
agaaagttaa cccaaggag cgtaatatgt tgttttctct cacaacagaa tcgatattga 180
tcaaatctac cttaaaagtt acatctcata ctcaaaataa ctcaaaagtt aaccaaaactg 240

5 cgagattaca gctaaaactc agattaagca gcagcaccaa gaagctcctg atcgaaatgc 300
catgttccat gtcctttgcc aagtctccta agttgagaaa catattctga gattttctta 360
atggcttcca cctgttcgtt cagaaacaca ctctcaataa aatctg 406

<210> 682

10 <211> 406

<212> DNA

<213> Arabidopsis thaliana

<400> 682

15 gcggccgctt ggtgtagaca aattcaaacc ctaaccctag attgattgctg tacggagttt 60
ctcttttggtt aaaaccccca caaaaactgg gagagcgatg aggaaagagg agattccaga 120
taaaagtcgg actatcccgga tcgatccgaa tctgccgaaa tgggtctgcc aaaactgtca 180
ccactccctt accatcgctg gcgtcgattc ctacgcgggc aagttcttca acgatcccc 240
tccgtccgct acgcagggct catctatcca tggagctaac agtggtcttg gttcaacacg 300
20 catggacaac tcttttggtt ttttacctcg acataagcct cctcaatctc agggcattcc 360
tccacgtcct cgcggggcgt cctcacctca gcctgatgct actcaa 406

<210> 683

<211> 406

25 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

30 <222> (1) ... (406)

<223> n = A,T,C or G

<400> 683

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gtaggattaa attacaattt cattttcata tagtagaaga agcagaagca tgattataaa 120
caagatttga cacacacaca tatatatata tannnagata cgataattaa ggcaaagttg 180
gagagagtga aggattagtg accttaagct ctccacagcc actaatgaaa accgtcttca 240
aaggtctatt ccacaaagat ctgcggtttt gagctctctc gtctccaaga aactccgcaa 300
aatcgttaaa ctgtttaata ttctccgacg gcttatacgt cggaatcgaa gaaatactcg 360
40 tcactacatc taatccttca agaacagttc cgaatacaat gttacc 406

<210> 684

<211> 406

<212> DNA

45 <213> Arabidopsis thaliana

<400> 684

50 tttttttttt tttttttttt tttgttacct tcaatgaggt aaattaaaaat tcaaaagcac 60
gtaaatatct caacaaattg tatttagctac gtacggaaaa taaacagata caaataatca 120
aatcatatac agacgaataa atcaaaatca aaccacaaaa atcgatcgaa tgagttcgta 180
catgtaacca gtttgaaatt tgcttagatg ttgattaaca ccaacggtga tagtgtctat 240
aaccttttagc caaacggtgt ggatacaggt gcaggtccag cgagtgcac agagcgtttg 300
atgcttccca taccgcatat gatacaaccg ggcgacgaaa gagcagcaaa cttagcacca 360
cagagatcac aaacatcgta tccaatagtc gataatctgc tgagcg 406

55

<210> 685

<211> 406

<212> DNA

<213> Arabidopsis thaliana

60

5 <400> 685
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attcaggatg tggttcttgg gtctaattctc atgttctctc ctctctttcc ttaaccaatt 120
cttctcgtac cgaaccgaac cgctcgtaat cactcaaatac acggttcagg tggctacact 180
acctatcggt catttcttgg ccaagggtgct tcccaaaacc cggtttgggt tacccggttg 240
10 tggatcggcc cggttctcgc tgaaccgggg tccgtttaac atgaaagagc atgttttgat 300
atcgatattt gcgaatgcgg gtagtgcttt cggatccggg tgggttatg cggttggtat 360
catcacaatt attaaagctt tttatggccg gagtatctct tttatt 406

<210> 686
15 <211> 406
<212> DNA
<213> Arabidopsis thaliana

<220>
20 <221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

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25 cacattataa gactttaaga ataaatgatg gtacaaacaa aattcgttgc ttttgttata 60
atcttggtgc caggatgaaa taagcacgac atcacaagta gagagacgcc gcgaatacaa 120
tgtctctttt gatcttggaac acagcttctt ctagttagc ttcaagctgt gtttctccta 180
tagattttgc agctactatg agctnnngca gaacttctc cattctcctt atcgctctga 240
tcaagctccc ttcgaaaaaca cgagcaatct ccatgacctc atagaatttg gacccttttg 300
30 cccaagcata caccgcctcc attatatcag gtctgaaaga ctgcacaaaa ctctccacgt 360
ctatttcgac cttgcagtca agctgaactt cagctacacg cctggc 406

<210> 687
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35 <212> DNA
<213> Arabidopsis thaliana

<400> 687
40 attacatcgt atgttcatcc cactcttttg gtctttatat acaatgacct tgatttattg 60
aacataacac atctaaaaga atttgactct ctttttcttt tgtttttcaa aacaaagtga 120
tatatatatt caagaatatt ataagagctc tctacctcta catggagcaa ccagactctc 180
ttcttcagta cgcttatttt tccagtgaac atgacaaaac ttcaaggcca agaactgag 240
tcctttgggt ttaacactca agaacttgag cattctctgt tgatcttggc cagctacaac 300
cactggacca tccaacaca cccaagacta aatccacctt agcgcaaaaca ctaaccaaac 360
45 tttcaatggt tgcttctatt tgaaataaca ttactgctaa tcctct 406

<210> 688
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<212> DNA
50 <213> Arabidopsis thaliana

<220>
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55 <223> n = A,T,C or G

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tcgaggcgac ggaggtcggt gtctagacag cgggctagta ataatcgtag tggttcaagt 120
60 aagggtgatt cggtagacaa caattcgagc cggcgagggt cggtttctag acaaccgaat 180

5 gagagggtta aggtcgagaa cagtgggtggt gtaattgagg gagatcgtga gaacgcgaat 240
tcgcggcgac gacggtcgct ttctgttgct cgtcgtcgga ttgagaattc tgagagtgat 300
gtagntcaag ttcagtattc aagcagttca agggatgtga agagcttcat gagtggaaag 360
agtcaaaata gtggttctca gaaatctgct gcttcagata atagac 406

10 <210> 689
<211> 405
<212> DNA
<213> Arabidopsis thaliana

15 <400> 689
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aagtttcaca tcaaaattaa atctcactct aggaccgatt ttcttggttc aactctcaaa 120
tacatcgggt cgttctgatac attgatttga gtggcaaatg ctataaaccg gggtaatgcc 180
ttcccaaacy aaaccaaacc ggaccgaaat tctcattttt tgtgagcttc caaatcagac 240
20 attagcttag ccggttttagc ctttttctgt cgggtacttg catatgagta ccacacacca 300
ccagctgtgt tgaccactaa accggacacg ttcaaagcat gtacttcaac accaccaag 360
aggacaaaac cgagcgtagt ggaaccaacg cctttgagaa cacca 405

<210> 690
25 <211> 405
<212> DNA
<213> Arabidopsis thaliana

<400> 690
30 tttttttttt ttttccttca aaacattgat gttattactg ttgattggca taccaaaata 60
ggcatgtcat atccatagat cgtaataagc aatagcttca agaataattg tgggagatcc 120
actacgaccg agaaactgcc aaagttgatt aaagtagttg tcaagttgtt taacaacatc 180
aacaatatga agaaataacc tttgtgacat tcagaaccga cgatggaact ctctttcacc 240
atacaaaaga ttatcagaaa aaataatcat tgaacaaatt atgatgagca gtttctttat 300
35 cagggtgtat tactgcgtga ccaagaatag agcctcgatg acttacgtga ttgctatttc 360
gagtgagttg gtgaataagc cgattgttgt aaactaataa attga 405

<210> 691
40 <211> 405
<212> DNA
<213> Arabidopsis thaliana

<400> 691
45 cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt ttttgatcga 60
ctattaattt caattttgat aatctgaaga acatcaatat catccatttt tattttgata 120
atatcatact tgactaggac tgagcataat acgcgagtct acgaaaacaa taacggtgaa 180
gcattataac aacaccaatt attcattaaa tctatgagaa ttcacgttgg tttcggttta 240
taaactctcg taatatattga tgtaagcaac ggaagaagtg ttggcatctt tgataagtgt 300
accaagaaga ggagcaagca aacatttctt gtccttctcc ttgtagaagt aacccaaca 360
50 cttgcaatca cgatcgact tagccttgca atcgttcaca gaagt 405

<210> 692
55 <211> 405
<212> DNA
<213> Arabidopsis thaliana

<400> 692
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gtcacagata gaacactggg aatcttgcta tcgactgctt ttaagatcag atacaaagag 120
60 gcactgacaa aagtatacac agcagctcac ataacagctt ccaagtactt gtcgttttta 180

5 acaaaagaag aaacaaactt gtatgaagca gctcacttgt cgatgacagc cttcaagaag 240
 tggagaacag gtggtcctag attccagaga gcttcaatac tcggaagaaa acgcaaggat 300
 tctaattaag ttccctataa ctctttctta tcataattat ccaatagggt gattgtagca 360
 tataacaatc tcaaaatgat gtaactgggt aacatacatt tgatt 405

10 <210> 693
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 693
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 agctgtatth ggagctaagg actacgcaga agctataaaa ggaattaagg ccagcaaacg 120
 accagcagct gtagctgtgt aatgtgaagc aacagcaagc gaaaagactc tgttaaactt 180
 aggaacagtt aaaaagtga tgacgatcac cagaagtccc agatgttgct gttgtgtctc 240
 20 cattcgccat aacattcaca agaatcaaac tcaatatctt caaagtaggc tcctctatac 300
 tattctgtac cattgtcttg taaattgagg atatgcagat tccatacatt ttgcaatgaa 360
 acactgtgat aagaaatag ttgttacata tgtgtttttg actta 405

<210> 694
 25 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<400> 694
 30 aaattgtacc agagaatccc aatagctaca gagcaagaaa gagagaaaac ttcagattgc 60
 aaaggagaaa gaagaaggcg agacgcgaga attactcgta cacacttcct acaccagaac 120
 ttgttcttgc atctgcctca gtcgatgatg ctgaagccaa tccggagtgc tataagattg 180
 aatgtggagt ttccttgtct ctttttgttt agtcttgttt atgaaaaatg atcctttcag 240
 agtattaaga gttgggttga ttgtcgaatc caagcctctc ttttgtcaaa ttgagtccca 300
 35 agcaggcgga tttttaccca acttgagtta ttagtgtaat caaatgggta ttgttaatta 360
 gtcaaagcct caaaggtttt aatttaaaaa aaaaaaaaaa aaaaa 405

<210> 695
 <211> 405
 40 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 45 <222> (1)...(405)
 <223> n = A,T,C or G

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 aagctcgtgg tcaagagaga gggattccga ctgtagtgaa cacatgggga gagatgaatg 180
 catctagaag tgttcttgct gcttccattg atgaccgggt aaggaatccg cttttggctg 240
 ttgcaagaaa agatggcaat gttgagggtta ttaacccttg taatgggtgat cttcacttct 300
 catactctgt atttgggtgat gatggttggt cccctganna tnncgaaatt tctgccttgc 360
 55 acttattcag gaaaaagata gatgatcaga cagaaagatc ttgca 405

<210> 696
 <211> 405
 <212> DNA
 60 <213> Arabidopsis thaliana

5

<400> 696

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ggtgggaagc attgaggcaa agagtctgca atcaaacggg tctgttcac atattgggtct 120

taatttggag gagaaacttg atgaatttcg tctgtttttg gggaaatcag aaaaagatcc 180

10 gttaaggatt gtaagtgttg gtgctggtgc ttggggaagt gtttttgcag cacttcttca 240

agaaagctat ggaggtttca gggataagtt tcagatcagg atatggagaa gagctgggag 300

agctgttgat agagaaactg cagaacattt gtttgaagtg atcaattcaa gggaagatat 360

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15 <210> 697

<211> 405

<212> DNA

<213> *Arabidopsis thaliana*

20 <400> 697

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gaatcataaa cacttacgca gaaacaaaaa cttaaactttg gatcttttaa ccgaccatag 120

agattcgtgg gttcttctta gtttcgacag attcttgatc cgtttttagtt gttacgctca 180

tctttgcttt tatacatcag acccttctct tctcttctct ctttatctaa gaaacattag 240

25 gggtcattga aatcttgcta taaaaaaatg ggtgttgaga aaatgggtgtg tttggcttct 300

cgcacgggtc gtcagtttca gagatacaac aaaggtcgtc gtcaagtcgt tggatgtgtt 360

ccttacagat ttaagctatc taatgatggt aaaataagtg atgaa 405

<210> 698

30 <211> 405

<212> DNA

<213> *Arabidopsis thaliana*

<400> 698

35 ttcaccggac ttcgtcaatc atcaacggag caaacaact tctgtctctca tgtaccgtca 60

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aaactctcca accgtaaact ccgtgtcgcc gtcacgtgtg gtggaccagc aggcggggca 180

gctgcagaga ctctagcaca aggaggaatc gagacgattc tcatcgagcg taagatggac 240

aattgcaagc cttgcgggtg cgcgattcct ctctgtatgg tccgagaatt caacttgccg 300

40 ttggatatta ttgatcggag agtgacgaag atgaagatga tttcgccgtc gaacattgct 360

gttgatattg gtcgtacgct taaggagcat gagtatatag gtatg 405

<210> 699

<211> 405

45 <212> DNA

<213> *Arabidopsis thaliana*

<400> 699

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50 tgcttaaaaa tatgatgaga gatgcttttg atgccacttc tctctgggtc ttctcatctg 120

ttatatattg ttgtggtcta tagatttcac atttattttt cgtaacatat tttgattttc 180

ataaataagg tggaactcaa gagagatgtt gctgtaattt tatttgcccg gagtctttta 240

gattccggcg agtttcagac acttgtggaa gacagaaggg ttatacagtt gttaaagcct 300

ttttgtcatt ttgtgacatg gttgatttat ttatatcatc actctgtttc gtttttgtct 360

55 gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaag 405

<210> 700

<211> 405

<212> DNA

60 <213> *Arabidopsis thaliana*

5

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<400> 700
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ctcaacgata ccaccttatt acaacaactc cgcggttagt ccgagtgatt tcccaccgga      180
10 atcttatttc ttgtcaaacg atgctcagct agagtggctc agcgacaacg ccttctttga      240
tcgtaaagac tcacaaaaag gaaactctgg gattctcaat totaatccca actcgaatcc      300
aagctcgcaa cggttcttac taaaatccaa agcgtcgatc atcgggtttgc ctaaaccgca      360
gaaaacgtgt ttcaacgagg caaagcaacg gagacacgcg ggcaa                          405

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15

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<210> 701
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<212> DNA
<213> Arabidopsis thaliana

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20

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aaatcttagt aacgttctca gcccaattaa caaagctgga aaatctcttg tttcttcttg      180
ttcttggtgca aaacagagag ggagagagag ggtgacaaaag aatgaagttg tttcaatttg      240
25 ttcatctgaa caaggattga agttcttcaa gagttttgcc tttggtctca ggaaccata      300
gagtcacgaa caccactgtg aatgcacaaa ccaatccata cagagtgaag gttcctccac      360
tgctccaggc taacagcaaa tttgctgtca tgggtgatcaa ccaag                          405

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30

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<210> 702
<211> 405
<212> DNA
<213> Arabidopsis thaliana

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35

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gatcttaccg gaacctcgag gttcgggtcc gtgtcttctc cttcttgtgt cggttctctt      120
atcagcgact ctctcactcg ctctgtctgt cgaagttgtc ggttacgccg agagcaagat      180
caaaaccccc catgcatttt caggacttcg agtgacgatc gactgtaagg tgaataaagg      240
ccattttgtt acaaaagggt cgggaaacat tgacgacaaa ggaaagtttg gtcttaatat      300
40 tcctcatgac attgtctccg acaacggagc gttaaaggag gagtgttacg ctcagcttca      360
cagcgcggcg ggaacacett gtccggctca cgacggcctt gagtc                          405

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45

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<211> 405
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50

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<400> 703
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accagattgg ttccaagttc tgggaagtca tctgcgacga gcacggcatc gattccaccg      180
gacgttacag tggagacact gcagatctcc agcttgaacg tatcaatgtc tattacaatg      240
aagcttcagg tggagatac gttcctcgtg ctgttcttat ggatcttgag cctgggtacta      300
tggtatagtat cagatccgga ccgtttggtc agatcttccg tcctgataac tttgtctttg      360
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60

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<210> 704
<211> 405
<212> DNA
<213> Arabidopsis thaliana

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 <220>
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 <223> n = A,T,C or G

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 ttgagtacga caaatcaaca aagccccaca taaacaatga cagaaccaa gaaaaaagca 180
 15 tcttaatgta taacgcacagt aatggtacaa gtattattag ctagtacagt gaacaacaaa 240
 tcaacacaat aatggtgaac tagttcgttg catcagnnnc atnnnagtag cgtataatat 300
 actaaagtgt gttttgttac cgggcctaag gtgtatggtc ttgtatggaa agtcctgttt 360
 tcttgatgga tatagtccag agaagatccg aatccgattc gactg 405

20
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 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

25
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 tcgccaaga cacgcttggc accgtctacg gtgttcctga gaagcattgc cactgtcatt 180
 gggcctacac caccagggac cggagtattg aaacctgcaa cttttgaagc ttctgcgaaa 240
 30 tcaacatctc caaccaaccg gtatcctgat ttcttgctcg ggctcgtgac tgcattagtt 300
 ccaacatcaa ttactgcagc ccctggcttt atccagttgc ccttaatcat gtgggcttgt 360
 ccgcatgcag caataacaat gtcagcttcc cgtatgatag cctca 405

35
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 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

40
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 aacatagcaa atcatgaact aagacatata gaggcttttt gtacgctcag tttagcttaa 180
 gtatcagact gtttctctgc ggttttttct tctttgttga tgtgaaagcc ttcaatcttc 240
 tttgaaactt catccacgct atgcttcact ctctcgagc tagtttcgtt ctcttcggga 300
 45 tttgctggtg ttgtttgcca gattctgatt gtcccgctct cagatcccgga ggcataggat 360
 aaaccagtgg gagtaaacct aacgcagtgt actggaccgt gatgt 405

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 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

55
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 tcgacctcac gttgttttcg ttgacggaca ctgcacgacg cagctagaag aaacatggac 180
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 cgcgattctt tcaccattgg gatacgaaac cgctcttttt aaaggcttgt ccggagaaat 300
 agactgcaag ggagattcag ctcaaatct gtggcaaaac ccggacgata aaaggactgc 360
 60 gaggatatca gagtttggtg aaatgatcag agcagcttcc ggggt 405

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 <210> 708
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

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 <220>
 <221> misc_feature
 <222> (1)...(405)
 <223> n = A,T,C or G

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 tttgggaacg tcgtaaggaa cttgtgagat tatggtggaa accttctcag atgcgtggac 180
 20 atgtctggct tgaagagcaa gtttctcctg aggaagggtga tgattctctt cctcctataa 240
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 ttcgaatctc tcgtattgct atggagtctt ttcgtctctc tctccctaata gttcgggtggt 360
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 <210> 709
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

30
 <220>
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 <222> (1)...(405)
 <223> n = A,T,C or G

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 gacggaatgc aagaaaagga ctgggtatct ttggtcgcag ttcacagtga ttcattggctg 180
 ctttctgttg cattttactt tgggtgcacgt ttcggatttg gcaagaatga gaggaagagg 240
 40 cttnnccaga tgattaatga gctgccaacc attttcgaag ttgtgagcgg caatgcaaag 300
 cagtccaagg atctatctgt taacaacaat aatagcaaaa gcaaacctag tggcgtcaag 360
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45
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 <212> DNA
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50
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 <222> (1)...(405)
 <223> n = A,T,C or G

55
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 attcaagatc acgagagaga cccaaacttg aagaacattg tgcttgaagg aacacttgag 180
 cagataagcg aagcaggtgc aatggtaaaa gatttgattg ggaggcttaa ttcagcagct 240
 aagaaaccac ctggtggtgg tcttgggtgg ggtggtggca tgggttctga agggaaacca 300

5 catccagggg gcaacttcaa gactaagata tgtgagagat tctcaaaagg aaactgtaca 360
 tttgggtgata gatgtcactt tgctcatggg gaagcagagc tacgc 405

<210> 711
 <211> 405
 10 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 15 <222> (1) ... (405)
 <223> n = A,T,C or G

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 tgacgaagaa gaagcgcact atgatttcct tcttcgcgct aagcagatga ttagtccgga 120
 ccaaaacggg gtaaaagaagg tgattgagta caaattcaac gaagaggaca aaaaggtcaa 180
 aatcactacc acgacccgtg ttcagaagcg agctctcacc aaacaagccg nggagcgacg 240
 gagctggaat aagttcggag acgcagctca tgaagaatcc agtagttacc tcacaatgcg 300
 ttcaacagag gatatcatct tggaacgaat tagagctcct ggtagcaacg cggaacagtc 360
 25 gaccgtatca ggagatagca tgtctcagtt gggcaaaccg ggtgc 405

<210> 712
 <211> 405
 <212> DNA
 30 <213> Arabidopsis thaliana

<400> 712
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 atcatctaag aaacgccgta tcgatttcac tgaatcttcg tctgataagt cttcttcgat 120
 35 tttagcttct ggtagtagca ggggttttca cggcgatagc gtcggttcagc aaatcgacat 180
 ggcttttggg aattcgaacc gtcaggagat tgatgaagat ctgcacagtc gccagctcgc 240
 cgtctatggg cgtgagacta tgaggcgtct ctttgcttcc aatgtttctca tctcggggat 300
 gcacggtctt ggtgccgaga ttgccaagaa tcttatactt gctgggtgtga agtctgtgac 360
 cttgcatgat gaaagagttg tagagctatg ggacttatca agcaa 405

<210> 713
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

45 <400> 713
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 aaccaaagga ttgatctatc catatcgctc aaaaacctata tctagctaag cctagaactt 180
 50 ctctatcggt taccactttc tttctatat tcttctgaat ttgtaacatc agaagtaata 240
 atgattccaa gtatggaggg aggcgggaag actaacagag aagaagagga ggaggaagag 300
 gaagaagaag aagaaggtga agagagtaag gtttcaagca atagtacagt ggaagagagc 360
 gacaagaaga ctaaggttag gccttatgtg agatctaaag tccct 405

55 <210> 714
 <211> 405
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 <213> Arabidopsis thaliana

60 <400> 714

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 tatccagaga gaaccgggtc tggtttacct aagttcaaga cggctcaacc accacctctt 180
 ccgatttcac aatcttctca taacttccact ttctccgatt accttgattc tcctctgctt 240
 ctgagctcct cacacagttt gatattctcca acaacaggaa cgtttccatt gcaaggcttt 300
 10 aatggaacaa caaacaatca ctcagatctt ccctggcagc tacaatctca accatcaaac 360
 gcttcttctg ctttgcaaga aacatatggt gttcaagatc acgag 405

<210> 715

<211> 405

15 <212> DNA

<213> Arabidopsis thaliana

<400> 715

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 atcgggaggg taactgaagc aattcaggat tacatgcatg ctataaactt ccggcctaca 180
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 gccattacga gctataagca ggccttgctt ctacgaccag acttcccaga agcaacgtgt 300
 aaccttctac acaccttaca gtgtgtatgc tgttgggagg accgtagcaa aatgttcgct 360
 25 gaagtgaaga gcattattag gaggcaaata aatatgtcgg tcctt 405

<210> 716

<211> 405

<212> DNA

30 <213> Arabidopsis thaliana

<400> 716

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 35 agacatcttt tgtaaaactc ttaagatcgg ttaagaggga aacacttaag ctgatagaaa 180
 cctttttaga caaagctgaa gaccagccac acatagggaa acaatttgtg ccgccaatga 240
 tggaatcagt acttggtgac tatgcgagga atgtgcctga tgctagggaa tccgaagttc 300
 tttcactctt tgcaacgatt ataaacaagt acaaggcaac aatgttagac gacgtgcctc 360
 acatatttga agctgtattc cagtgtacat tggagatgat aacta 405

<210> 717

<211> 405

<212> DNA

<213> Arabidopsis thaliana

45

<400> 717

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 gatcagaaga agaaagagga cttattaacc aaaagattag agagaaaaat gaagctgtaa 180
 50 ctatgtctga gctcactgtt tgtcttctca tggaccgttt tgttccttgg tgatctttcc 240
 atacccaact acttctagat ctcttctttg gtgatgtgta tatatatatc tagaaactac 300
 atgtagtatg tctatatatc agattttgtt tgtgcagacc atgtttttta gtttccttgt 360
 aaacctgtga aagtaatgtg tttggaaaca tttttttatt acttt 405

55 <210> 718

<211> 404

<212> DNA

<213> Arabidopsis thaliana

60 <400> 718

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 gagaaaagca aatcaagcag cagcaacaac tgtcttgtgc ttctcgagat tggcaatgat 180
 ttcttctttc gcagcaccaa ccacagtctc cttgatctct ctttctttca tgaagataaa 240
 cgttggcatt gcctgaactt taaactctc agcaacagtg ttcaattcgt caacatcgac 300
10 cttgaagaag actacgtcga ggtgcttctt ggctaagtca gcaaagacgg gtgcaatgaa 360
 acggcaagggt gggcaccatg ttgcagtga gtctatcaca atca 404

 <210> 719
 <211> 404
15 <212> DNA
 <213> Arabidopsis thaliana

 <400> 719
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 aatcaccact cccagacaca gcaccatgga atccggcgtc cacggccatg ccggcgctcg 180
 aagcagcttt ttggatggac ttaggagata tattggaggg gagggaggtt gtaagtaagt 240
 gagggaaagt aaaagattcg tcgtcgaggg aagatggtcg gtgcaagcag taaaaagcga 300
 cgtcgtgggc tacggcagcg ctttctgcgg tggagaaaga gcctaaccag agacgttgac 360
25 gagttcccg gacacgaatc tctgataccc attttcccca tttc 404

 <210> 720
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 <212> DNA
30 <213> Arabidopsis thaliana

 <220>
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35 <223> n = A,T,C or G

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 cgaatctaca gacaggacat tgtccttttg tctttaacca tggaaactata cattcctcgt 180
 gaaacatgtg tttgcaagga gtgagcatca ctgtttcctt gggctcgaag tcttctaaac 240
 acacggagca tcttttgcg tcttcttcac ctgagagatt ttgagtgtt cttgannnnn 300
 cgcttcccg gtttttgtt ctgtagtata agctcaggct tctgagaagg gtgctttttg 360
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45
 <210> 721
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 <212> DNA
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50
 <220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n = A,T,C or G
55
 <400> 721
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 taaagcttgg ttgcacgcaa ggatggtttt gtgcctctct tttccaccct gtttcacgga 180
60 atatagctca gcttgccaag gttaagattg caactagaaa tggccagtgg caggacctcc 240

5 acataccaca tagcatcagg tccattgtat gtctgaatct gccagcttt tcgggaggat 300
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<210> 722
 10 <211> 404
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<220>
 15 <221> misc_feature
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 accactgcct cctccacgtg gaggcattgt gccgccactg tcagtatcat aaaagtcttt 180
 cttctgtatc tgctctcgca acatatcttc aaccgatttc ttccccatag ctttctctat 240
 tgctttccat ggcgatatct catcactacc atcagggtta tctttccac caaataagca 300
 25 cacagcagaa ctttgtttcg atttcccagt aggtaaacga cggcgatgat caagaagagg 360
 cgaaaactga gtagacactg cagacctgcc cgggcggccg ctcg 404

<210> 723
 <211> 404
 30 <212> DNA
 <213> Arabidopsis thaliana

<400> 723
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 35 tttttattaa gaactctcct ttattaattg ggacaaagca aacttgcaca tgaaaaaat 120
 cagaaggaaa caagacgtaa ttaaaatttt acaaacatag atatatgact attgattgca 180
 tgcattgaacc attgattgat caacacacac aagtttcaaa tttattacaa taaaacgcaa 240
 acaatacttt gaaaatgatg agaaagcttt ctctgcttgg attctctctt tcactctttg 300
 tttctcttat tacaatcacc agtactggtt tcgtcttgte tttgtcttct tgtgtacatc 360
 40 gtgttctccg tgatagagat atctaatagt ggtcggacgc gtgg 404

<210> 724
 <211> 404
 <212> DNA
 45 <213> Arabidopsis thaliana

<400> 724
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 50 ttggatatgg tgaagaagag aaacgctcct actcaaattc cgaaacaaaa ctcatgagat 180
 ttctacagct cgtcctttgc gcccgtttcc tcggtcttct taggttctct actcttggtg 240
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<210> 725
 <211> 404
 <212> DNA
 60 <213> Arabidopsis thaliana

5 <220>
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 <223> n = A,T,C or G

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 ctaccgttgc gtcgtgctca gaagggcctc ctttagatgg ccatccagat tctgtgacca 180
 cgattggaat gttggtgaag ttaagataag acattgcaaa ataagcagcg tctangattg 240
 15 catcaaaaac gtttgtgtaa tgtaacaatg tgttggcgctc tacagcttct ttgnnggctt 300
 nnagaggctg gaaaagcgcg tagtcaagcg gtataactcc attggactga acatagtcga 360
 aatacgggta aacgttgagc agcaatggcg atcctgtgga ctgt 404

<210> 726
 20 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<400> 726
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 agtctggaac cttctcaact ttcataaggc taaccaaggg atctacttta cttggcagaa 180
 ccagggtgag aacatagcta tcattacgga gagcaactct cgttgatgga gtgagtttcg 240
 ttatgtctat acttttgcata atatcgacaa catacttccc ctctggatga accttaacca 300
 30 agaccttgtt ttttcccatc acttttacca cttcaccac ataggacca ggttcttgaa 360
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<210> 727
 <211> 404
 35 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 40 <222> (1)...(404)
 <223> n = A,T,C or G

<400> 727
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 ctggagtcag ctccaccaca tctcccatct tcagcttgca ttccagatca cttacaggtg 180
 tctggttaag tcttggcctt agctcttctt ttgccgggat gctgtacatt gaccatctcg 240
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 gcacagtcac cttctcattt tcgnnnacaa tcacatagac tggtnnttct tggttaccac 360
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<210> 728
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 55 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(404)
 60 <223> n = A,T,C or G

5

<400> 728

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tcaggtgttg	atattcttgg	caatgcaagc	agcgcgcttg	gacatatgag	tcaaggcata	180
gctgcattat	caatggatan	nnaattcatc	caaagtcgac	agagacagga	aaacaaaggt	240
gttgaggact	ttggcgatat	tatcagagaa	ggaggtggag	ctctagcgnn	nggcctgttt	300
agaggagtca	caggcatatt	gacaaagcct	ctcgaagggtg	caaagtcttc	tgggtgtcgaa	360
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15

<210> 729

<211> 404

<212> DNA

<213> Arabidopsis thaliana

20

<400> 729

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aacttcaact	gttgattata	aactactgac	cattacattt	tgcttcgtaa	aaagggtaaa	120
acagaaaacg	ttacattttt	ttattttttg	aagctgggaa	ataccattgt	aatcaggcac	180
ctttttgtgt	gtatatacct	ctttaacacc	gtcaaaaatac	tcttcttggg	ttgggtccat	240
agaaatttac	ttgtgttcgg	aagctgcaag	gagcctcggc	tttggttaacc	aatactgctc	300
gaacctttgt	cttgcatact	ccatgtagtc	aaagtcgatt	tcattcacat	gttccgatat	360
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30

<210> 730

<211> 404

<212> DNA

<213> Arabidopsis thaliana

35

<220>

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<223> n = A,T,C or G

40

<400> 730

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aaggaccaat	tactgccatc	ataaatgtgt	ggaagaccca	aaacagaatg	ctcctcatga	180
tatcaaactt	cgcttagaga	ttgatgttaa	tggtggcgag	acaccgaggt	taaatttgga	240
ggagtgcagt	gatgagtctg	gtgataatat	gatggacgat	gttccccttg	ctcaacgac	300
ttcaaagtga	cactatgacg	aggctacgga	ggatagctgc	agccgcaagc	tcgaagctgc	360
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50

<210> 731

<211> 404

<212> DNA

<213> Arabidopsis thaliana

55

<400> 731

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tgaacaaaca	acaaagaggt	aaagaaaaaa	cctccaaaac	tacttgacga	ttaatcacac	180
agtcgttaaa	caaaactcga	accatccaca	ggtatgaatc	cggtttggtc	ttctttcatc	240
gccttctagg	tggtgagcat	tgaggttgtt	gattccatga	ataagaacat	tttcgcagtc	300
acgatcgcac	taacatatta	aacaccgggg	aaaacaacct	ctacgcgtct	ctcatgctaa	360
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60

5
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 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

10
 <220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n = A,T,C or G

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 tctgnangca atcacttggc ttgtgcccc gcatcaatga agaggttggt agcattgagc 180
 20 agtcgattgg cagtcacatc taagatgaag ctagcaatct cctctggctg accggcagtc 240
 tcagccaatg tcacctgctt ggcaaatgca tcagcagcgt caaacagacc aggatcgata 300
 ttacgtagac catcagtttg aactggccct gggttgactg tcagcactcg tacattctgc 360
 tgtgccgctt cgggagctac actacgagta tagttgtcta cgaa 404

25
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 <212> DNA
 <213> Arabidopsis thaliana

30
 <220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n = A,T,C or G

35
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 aaatacaatc ctctaggagc atattcattt gatcaaatac ttacggctac ataaaacttg 180
 gacaaaactt attttgtttc agtagtagat ggtaacaaag ggcttcctta aaaagctcaa 240
 40 catttgactt ccaatcactc acatagacca cacttcctta agaagctcat atcttgaaat 300
 tgtcaccctt ggccctattt tctcagcttc ctgcttcaca ttcttgccct gtgcggaaat 360
 tggtgacagc gatacgtttt caatgatgga tgtaagagga gaat 404

45
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 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

50
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 gtagtaaaaa aagaaagtta acaacaaaaa aaatgaattc aagcaatcct acaaaatggc 180
 caagttctag tgaaaactaa atttggtaaa aattaacaag tcacactgag gatgtatcga 240
 tgagaacatc gtttagcaca tcactctcgc cattcgccat agcgagcagc tccgcatctc 300
 55 tctcttcttc gttggagaag tctctccttt cgaatttcga gttagcggat ataaagatca 360
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60
 <210> 735
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 <212> DNA

5 <213> Arabidopsis thaliana

<400> 735

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10 catagactcc ttagaataacc tgaacacaat aggtttactg atgaatatga aacaattatt      180
ctgaaagtct agagaacaag cttattcctt cttcaagggtg tcttcaactt ggggcgcgat      240
ggaagcaact gataacaaga gataagttag gtggtaaacc cgaaagcacc agtgacacga      300
ggactaatcg tctttggagc taactgaagg agaccaatgg ctacaataat gtccatgctt      360
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15

<210> 736

<211> 404

<212> DNA

<213> Arabidopsis thaliana

20

<220>

<221> misc_feature

<222> (1)...(404)

<223> n = A,T,C or G

25

<400> 736

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ttgagattgc tcgatcaagc tttgcggcaa cagaaatcgt atcgccaaat gactcttggt      180
30 gacgctcatc cttggcgnc cacaacgcggc ttgcctgaac gcgcagtcac aacgttgaga      240
gctnggctct ttgaacactt tcttcaccca tatccgagcg atgttgataa gcatatattg      300
nccccacaaa ctggtttatc aagaagtcag gtatcaaatt ggttcattaa tgcaagagtt      360
aggctatgga aaccaatgat tgaagaaatg tactgtgaag aaac      404
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35

<210> 737

<211> 404

<212> DNA

<213> Arabidopsis thaliana

40

<400> 737

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tctgggcagc ttggaccgtt tactgcatgg gagatcagat gggcctcctc ttgattggaa      180
cactagaatg aagattgcac tatgcgagc tcaggggtcta accttcttgc acgaagaagg      240
45 cctttttcag gcaatgtaca atgaattttc gacggcaaat atccaagtcg ataaagattt      300
cagcgccaag ctatcaggat acggttgtgc aggccatgcg cctgagacag agacatctaa      360
tagttcggca cttgctaadc tctctgtcga gactctagag agag      404
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50

<210> 738

<211> 404

<212> DNA

<213> Arabidopsis thaliana

55

<400> 738

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atcctacaca aatccataat catggccgcc actgcttcct ccgaagcttc tgaaggacca      120
gtgatgggtc tcatcaacaa gcgtctccgt gctctccgta agaaatacaa tcgaatcact      180
caaatggaag aatcgatttc tcaaggcaaa accctaatac aggagcaaga agaagtcctc      240
cgctctaaac ctgccgtcgt catcctaadc gacgagcttg aaaagatccg tgctcctctc      300
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5 tccgccgctg tgacagagga aatcagcctc gctactcagc ttaaccgtgc ttcatccgat 360
caaaccaccg catctgagca aaaggaagtc actgatatcc cgca 404

<210> 739
<211> 404
10 <212> DNA
<213> Arabidopsis thaliana

<400> 739
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aatacagaag gagatgggag tgttggaagt gatcttgaag gaatccgtaa gccaaagaag 180
atgaagaaga tgagaagcag gaagagtgat gataaagaga cgaagaagaa gaagaaaaag 240
tattggatgg gttgtctcag agctgaatca gacgaaagtg gaaacgtcga tttgactgtt 300
gatttccctg gcgaacgcac tgagccgact cacctagtcg tcatgggtcaa cggctctcatc 360
20 ggcagtgtctc agaattggag attcgccgct aagcagatgc ttaa 404

<210> 740
<211> 403
<212> DNA
25 <213> Arabidopsis thaliana

<400> 740
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catcaacaca ggattatctg tttttttcac ttgataaatt tgcattttta aacacacttc 120
atggataaaa cggtatcattt cttgccactc ttcttaagtc cagaacctcc aaaggatccc 180
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atgttagcta agtcagctct gtcgtattcc ttcttatcag ctttaggctg cttcaaagggt 300
ttcgcctttt ctcttctgtt ggaagacatg attgggtcgt tgagctaggg ttcgatgttg 360
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<210> 741
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35 <213> Arabidopsis thaliana

<400> 741
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aacagaaaac tttgagagta aaggcacata ataagacaaa gaagaggtaa aataaagtct 180
45 agcaagcctt acagcttcgc ctgcaatagc caggaagctc tgtagttcca accatgtact 240
ctggattctt tgtgcattcc ccaagaactg cccatctctc acagctctcg ttcatatccg 300
tgcagtttcc gcttgggtgc acgatcctat caaatgagtc tacgtggatc cacttggttg 360
ccgaccattt ctctccttct atcacaggac atccaccgtg aag 403

<210> 742
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<212> DNA
50 <213> Arabidopsis thaliana

<400> 742
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ttgaataacc ggcatagaag ccacctccaa caacgaccag aatcccatct ttttatgttg 180
ttcttttagac taatgatcaa gggattatat attatggctc aagctccta ctcttcttct 240
60 tcttctttct tcttcttct gcagttatct gcagagaatt aataagcaga agaagcagaa 300

5 tgattaaaca ataatttgtg gaattgagac atgccagagt tttgagtatt ttgagaccgc 360
 tatcattgga gtagtagcac gaacttgtac ctcggccgcg acc 403

<210> 743
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 10 <212> DNA
 <213> Arabidopsis thaliana

<400> 743
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 ggttttggag actatggctg gtggtaacga agtcaacctt aacgaatgca agagaattgt 180
 cccactcaac acatgggtcc tcatttccaa tttcaagctt gcttaciaag tcctccgctg 240
 ccctgacggt tctttcaacc gcgacctcgc tgagttcctt gaccgtaaag ttcccgcgca 300
 cgctttcccc ctcgacggcg ttttctcctt cgaccacgtc gactcaacaa ctaaccttct 360
 20 caccagaatc taccaacctg cgtctctcct tcacagacc cgt 403

<210> 744
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 <212> DNA
 25 <213> Arabidopsis thaliana

<400> 744
 30 tcgagcggcc gcccgggcag gtcgccatta acaagatctc tcttcttcta ctcgatttat 60
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 tcaatgcaga gaacctatct acttgcggtt gctaagtctt cttcttcgac ttcagttctg 180
 tctcttcatc ctctcatggc taagttgcag tgcagggcga ttcaaaattt cccagcttcc 240
 tcttctctct cagtagttcg ggtcgataga gtgtatagaa atgtatccca gcttcagttt 300
 aaaagagaaa attcaagttg tcttaagtta gcttgtgcac ttccttcgca tctaagtctt 360
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<210> 745
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 <212> DNA
 35 <213> Arabidopsis thaliana

<220>
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 <223> n = A,T,C or G

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 ggaggaaata tggcaaaaa gttgtcaaag gaaatactaa tccaaggagc tactacaagt 180
 50 gcacattcca aggttgtgga gtgaagaagc aagtggaaag atccgcagca nnnagagag 240
 cagttctcac tacctatgaa ggaagacaca atcacgatat cccaaccgcg ctacgtcgct 300
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<210> 746
 <211> 403
 <212> DNA
 55 <213> Arabidopsis thaliana

60 <400> 746

5 catgacaaag tcatatatgc aacatgaaat ataagataaa gaaaacaaac tcttagatca 60
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 atgttaaatt tcatgttcat cagaagatca taattagtag taagtaggtt cagacgtgta 180
 gaagaaagga ccagcccagt aaagcttgaa gctcttgct tgaagaatac ggtacgtgct 240
 caatggctgt cctctaacac ctttgttcac atcggtcgga aaatcgcaat cagcgagtgg 300
 10 agatttgtaa aggtaagttt tgcatttggt cactgtcctt cctgcacgaa gctgcgaagg 360
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<210> 747
 <211> 403
 15 <212> DNA
 <213> Arabidopsis thaliana

<400> 747
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 cgtcaagggt gggactgcag ttgttactgg gaaagggtgga agattggctc ttggacgttt 180
 aggagctatc tgtgaacagc ttgcggaggt aaactcagat ggatttgagg tcattttggt 240
 gtcactctgg gccgttggtc ttggtcgaca aaggcttcga tacagacaat tagtcaacag 300
 cagttttgca gatttacaga agccacaaat ggaacttgat gggaagggtt gtgctggtgt 360
 25 tgggcagagc agtctcatgg cttactatga gactatggtt gac 403

<210> 748
 <211> 403
 <212> DNA
 30 <213> Arabidopsis thaliana

<400> 748
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 35 tctgttcggt cctgaagaaa tttgttggtat caatcttccc ttttaacaaa cccaatctct 180
 tgaaattacc tttgaaatac atctcacccc atttcocttgc atcttcgaaa ctctgtgttaa 240
 tccctttggt cgagcccaaa tcaagatctc tgtaattcaa ataagctcct ctccggcgatt 300
 tagaaacata cggagtcatg taatcgtgta acgatctcat ccacctgaca tgtttgttca 360
 40 tctcctegac ttcattcact ttccatttca ccatgtacct cgg 403

<210> 749
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45 <400> 749
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 50 tctagtgggt agtgtgatgt cagctatggg agaggaacag atcaatgctc ttaaggacat 240
 cgggtcccaag tgagactaac aaagcctccc ctttgttatg agattcttct tcttcttctg 300
 taggcttcca ttactcatcg gagattatct tgtttttggg tgactcctat tttggatatt 360
 taaacttttg ttaataatgc catcttcttt aacccaaaaa aaa 403

55 <210> 750
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 <213> Arabidopsis thaliana

60 <400> 750

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caaacctata cacaaacgca aacaaatggt cgaaacacta atcaaatttc acagtctctc 180
catcgaaaag actccaaagt tgatcaacgt caaaagccaa ggtgtccccc ttttctgttg 240
tcgtcgcttc aggaaccaaa atatctacct cttggctttc ctctaggaat ttctctaacc 300
10 acatattatc tccatcaatc aaattattca ctagttggtc tttcttctta tctttgttgt 360
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<210> 751
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15 <212> DNA
<213> Arabidopsis thaliana

<400> 751
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gccagctaca acggtccaat gccaccagcc aaagccgggc gtatcacaaa cgcatacgtc 180
tcttccttcc cgttcacag atcacctca ttgtttcttt gcttttagta taagtagttt 240
acttttata gatcaaaatg cgaaagaata gttgttttct caaacttttc cacatgaaaa 300
agggttccaa aagagaaccg tatttcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
25 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 403

<210> 752
<211> 403
<212> DNA
30 <213> Arabidopsis thaliana

<400> 752
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gatgctctct tccctgtcca aagcaactct gaatatattc cagctgtctac tctcatctac 180
ataccacaag ttttgttgct tcaatcagac cagagaaaaa tgtagaaaaa aaatttacag 240
gagaaagtac tggtcctaag ttcttggcct ggtcacaccg gcctttctat atacactctt 300
tttgcaatcg tcaatctggt ttctactac ttcaagatgc ataggagaca cgagtttttg 360
40 tgtttccttc gctgttcttc ttccagcccc atctctctct atg 403

<210> 753
<211> 403
<212> DNA
45 <213> Arabidopsis thaliana

<220>
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<222> (1)...(403)
<223> n = A,T,C or G

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agacatgtc accatgtttt tccaggctga tggaaactttg aacgaagcag ctatttcctaa 180
55 tgtgacaagg gccttacagg atattgatgg agtttccaat ttaaagggtc aggtttctga 240
aggtgttgcc gtcgttgagc ttttgaagca aacaacgggt caagcaacag gagtggcgctc 300
aaacttgggt gagactatac aaggagctgg atttaagtta cagannttga atctgagttt 360
tgaagatgac gatgaggttc ttgtctagt aaatcatcct ttt 403

60 <210> 754

5 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<400> 754

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 attagctctg aacttcattg aatttgaaga cacagtcata gagccgtcct ccgagaaact 180
 ctgctacttc aagatgcttc accattccaa tcttgagaga atcacacttg aactgagcat 240
 aaaggtttgt ctcaattcca cgacccatgc cttctacgat gactaagtcg gcatcagatg 300
 15 aaaggtaagc aagctcctgt gatactcttg agagatcgat aactggtaag tcattccccg 360
 aatttgcaat cagaagcttc gaagtatcaa cacctagcaa ttg 403

<210> 755
 <211> 403
 20 <212> DNA
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<220>
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 25 <222> (1) ... (403)
 <223> n = A,T,C or G

<400> 755

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 aagaagaggt tcggttaata ctaagtcctt gaaagagcca atgaggtctc ttcttctctc 180
 gatccaacga cgtcgtactt gagctgctca taggcgtgtt tggctcgcta ctttcttggt 240
 tattattgct gttattatat agattattat tgctctgatt attacaatta tccgatgatg 300
 atctcattga cgttggtgac gagtagtcca tgtccttggt cgttgctcgtg gtcatagtag 360
 35 tagatgaaga agacaatcca atgctcaatg tcaattcgag ttc 403

<210> 756
 <211> 403
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 756

45 ttttttttttt ttttttttttt aatccaaaca aaatgcatta ttatatattaa tttattttttc 60
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 ctaaacaaga cccaatgtct caaagagagg tgctatagaa cttgggtggcg aaagaaaggc 180
 cttcctcgga taacacgtca agactctcaa cggaagggtg tgctcgtgcc actttagcaa 240
 tagccttggt ttctctctga gtacctcctt ctaggaacac tcctactact ttcccatctt 300
 taacccaata cgtcccaaac tttggctttg gagatttcgg gtcattatct ccaaacagta 360
 cagattctcc aacgtttttc ccatagaatt cccacgatag ttt 403

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<210> 757
 <211> 403
 <212> DNA
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55

<400> 757

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 agccgatgtt gctggaagct tcctctccgg cactctctct ccgtcgttgg ctaaactcaa 180
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5 cctttttccaa ttaccaaatac ttaagtacgt atacattgag aataaccgtc tctctgggtcc 300
tcttccgggt aacatcggtg cgctaagcca gcttgaagcg ttcagcctcg agggaaaccg 360
gttcaccggt ccgatccccga gctcgatatc taatttgact cgg 403

<210> 758

10 <211> 403

<212> DNA

<213> Arabidopsis thaliana

<400> 758

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cacgcgcaca acgtcacgag cctcctagca aaccacccat cattctcttc cttcagccat 120
ttcctaacac aaacacacct cgccgacgaa atcaaccgga gaagaaccat aaccgtttgc 180
gcagtagata acgcccgcct gtcagcatta acctctaaag gctatacact ctcaactctc 240
aaaaacattc tctccctcca cgctccttta gattacttcg gaaccaaaaa actccaccag 300
20 atccgtgacg gctctgctct cgccgctact ctgtttcaag ccaccggagc tgctcctgga 360
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<210> 759

<211> 403

25 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

30 <222> (1)...(403)

<223> n = A,T,C or G

<400> 759

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tccgtgcctc aatctcttcc tttccatttg ttctcttcc aaaccctaata ttctctatca 180
ccttcatctc cgttcgcgcc ttttctcctc tctctgtcct tcatccaaat tcatcatgta 240
ttgtaacagc tcgacgcaca tttcatggag ctgtggctct ttcaccggag agcttaacgg 300
aagagtctcc caaggatact gtgaaaggat tggttaacaac caatcgtggt gaggcctcaa 360
40 gcttgatgaa gatggagcgg aggtgtagct taagcaatgg tga 403

<210> 760

<211> 403

<212> DNA

45 <213> Arabidopsis thaliana

<400> 760

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gttttagttta aagggtacgg aactgacctg agagggttga tttgaatcta aaaagggtta 120
50 gttttttgtt aagtttgatg gggacaggga attctaaaga aaactggaga cagtcacgt 180
ttaggtcaac ttctgcttca tcagcatcac catcttcac ttcatgggct tctcaacaaa 240
gttatcctca gtatggtgca gaaagctata attaccctcc tccaccttct tatgcccaac 300
ctcctgagta tacgcaacct cctcctcctt tatatagtac tcagccttac tctgctccgt 360
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55

<210> 761

<211> 402

<212> DNA

<213> Arabidopsis thaliana

60

5 <400> 761
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 agcataggtg gcattcgttc cggcatcctt ggtttcctta ctgatccgct cctacgtatt 180
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 10 cttccacaag cttcttttagc caaagcatcc tgcaaccgat tctcttcttc ttttaagagac 300
 tcttcgagtt tcttcttaat gtatcttctc caagcggtt gtatgaagca agcggcccaa 360
 gtcttccatt gttgtgagta gtacctgaaa gtatgtctta gc 402

<210> 762
 15 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<400> 762
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 aatcaatcaa attacaccaa tattctcgat ttgggtttct gtaaaagaat caactatata 180
 aaactcaata tagaggcacc ttcgtgttca gagaccagct gaaaccaaac catgcaatgt 240
 tacaattcca atcaatgtgt tgtcttcatt gaccactggg agaaactgta caggcgatgg 300
 25 cggtgattcc atcttcttca tagcttcaac tgccattgtt tccgggtccaa ttgtcctcgg 360
 ctctctgttg cacatttctc caaactgag tttgaatatt gc 402

<210> 763
 <211> 402
 30 <212> DNA
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<400> 763
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 ttgtctttta gttttttctc tctttggctg tgatttcgtc ggcgaagaga gacatagatc 180
 ggatatggcg gctgataata cgggttcgaa atcgagctcc gctgcggtt cttacgttgg 240
 gagcttgatt agtttgacat ctaagagtga gatcagatac gaagggatcc tttacaatat 300
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 40 gaaaaaagat ggtccacaag ttcctccaag tgacaaagtt ta 402

<210> 764
 <211> 402
 <212> DNA
 45 <213> Arabidopsis thaliana

<400> 764
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 50 atgatctatg aagatccaac aaggatccaa gaagaagaag acattgttca agaagtttca 180
 acaacattct ctgatgaaga agataactca tcatcttgtt cattatcttc tccatgtgt 240
 tctgatttta cagaggatga tgatgatgat gatgtttctt catcttcttc aaatggacct 300
 cttgaagatc tctctgacct catgtcacac ctccctatca agaggggatt atcaaagttc 360
 tatgaaggaa aatctcaatc attcacatca ctaggaaatg tt 402

55 <210> 765
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

60

5 <400> 765
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 10 gtgattctaa cgggcttaac caaggattct cttcattctc ggaggaaagt gcctttaatt 300
 ttccatcagt aaactttaac catcttaaca atggcccaaa aggggcagtt actaatggtt 360
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<210> 766
 15 <211> 402
 <212> DNA
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<220>
 20 <221> misc_feature
 <222> (1)...(402)
 <223> n = A,T,C or G

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 tctgcattac accaaccaat atacgaaaag aagttatttg aacaaggtta agatatgaat 240
 aaaccttggg ctaccatgaa ggaatactcg tcagggtcag gcagccgctc atttccatac 300
 30 caattaaggt gggctgggag ctcnnnnagg agtgatgggc tactactgta atcttgaaac 360
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<210> 767
 <211> 402
 35 <212> DNA
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<220>
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 40 <222> (1)...(402)
 <223> n = A,T,C or G

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 aatcttgctt tctgattcag attctgggtt ttcttcagaa ttcccagaga agttgttgga 180
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 caatgaagga acaattggag atttccttgg aagatactgc aacaaccctc aggagatttc 360
 50 accgttaact ctacaatcct tctctctgaa ttctcagatc tc 402

<210> 768
 <211> 402
 <212> DNA
 55 <213> Arabidopsis thaliana

<400> 768
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 60 acgatgagcc agagcgagag gtacctagga agcagctata gttacggtga cagtaacgga 180

5 aactccgccca ccgacgaatc agagctcacg gaggaggaca tctggtcaca cgccgtcgat 240
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aatgggcgcg tgggtggtgg tttgtcgctg gcgtttgagg acgcgtcatc ttcgccgagg 360
atcgtgcacc agatacgtgg cggaggagaa ggaggaggag gt 402

10 <210> 769
<211> 402
<212> DNA
<213> Arabidopsis thaliana

15 <400> 769
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20 tgtccttttt ggaaagagta aaagaagatt ttaacaagcg atatggtggt ggaaaggctg 300
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25 <211> 402
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cggatgtcaa tgttgacagag gttaatgttc cagttgttgg tggatcatgct ggcatacaga 240
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35 ccctcacaana gcgtaccag gacggaggga cagaagtcgt ggaggcaaaa gctggaaagg 360
gttcagctac attgtcaatg gcctatgcgg gagcactctt tg 402

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40 <211> 402
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<213> Arabidopsis thaliana

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ggtcagatga gttgcataat gggttaccgt accagggttca tgatgagacc cttgttcacc 180
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ctcttgaacc acagcagtac gaggtaccag atcagactct tgaacctcag cagtacgagg 300
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50 aagatcattc gcaagatgac ctacaatatc agccacaaaa tc 402

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55 <213> Arabidopsis thaliana

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60 tcatgagttg catttgaggc aagctgttac cataaacctt cctccctggt ttgacaaaaa 180

5	gacgaggctt gaagttcagg ctgatgctgc atacgtcgat cttagatcgc gatgtccata	240
	cttttatgaa tttggatgca agatagagcc actgggcaca gatagaacac tgggaatctt	300
	gctatcgact gcgtttaaga tcagatacaa agaggcactg acaaaagtat acacagcagc	360
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10 <210> 773
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	gacgaaagaa gcaaccgcga taaccacata cagccataca tgttttgatc cttttgactg	180
	tttattatcc tgtggctgat tcttagagat atcaggacta gtactgccct tatcaggaga	240
20	aggtacagga gggactaaag gtggctcttct cttctttgca ttggttactg cagggaaaga	300
	cccgtgctt cgaggtgaag cttcagttat aatcccggga gaaggactag gagcggaagg	360
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25 <210> 774
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 <213> Arabidopsis thaliana

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	aacgttctcc tccactagga aaaataacca caatgagttt ccctacgttt tcaggccgct	180
	ttgcaacctt taacgcagcc gcagctgagg ctccagagga tattccaacc aataatcctt	240
	ctttgatagc aagaagcttg gctgtttcaa tagcttctc accagtcact tgaatgattt	300
35	cgtcaacaat gcttaagtcc aaattggctg gaatttcacc agagcctatt ccttggatca	360
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40 <210> 775
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 <212> DNA
 <213> Arabidopsis thaliana

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	taatcattaa cttgaacaag tgaaattcaa gaagatgatt ccttgaactc ctgcaactgt	180
	ttgaagttca tccatggctt caccacact ttggcttcaa aattcttagt ctgatcacct	240
	tcttttgctt ctagggttaa gtggtacatc gttcctgcaa ctacctgctc ccttgctttg	300
	acaatcttct tgaactcaag aattttgttc tgttgtttgt tatgttcttg aatggcaaat	360
50	cgagcgagac tctcgatctc tccactgttc tcggacgcgt gg	402

55 <210> 776
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 <213> Arabidopsis thaliana

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	ttcgcagcac ataatgctca ggaggaccaa ggttctccaa tactcaactt gattgggaat	180

5 cttgcattcc ctgttat tttt gattggcggt ttgttccttc tctcgagaag atcctctggt 240
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tttcagatgg aaccaaacac tgggtgtaact tttgatgatg ttgctggagt cgatgaagcc 360
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10 <210> 777
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gttcataaca tgaaatttgg gacgaatgca taataatgaa cagtcaaaca tagaataaag 180
caataatcag agttgttcaa ttcaaaaaaaa gaaagaaaga aaaagagaga aaagatatga 240
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25 <211> 402
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<213> Arabidopsis thaliana

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gtccttcata agttgccatg tcttataact tgcgttgcta ctccatgtgg agccgttcaa 180
gacctcattc actggttttc agccgctctc caagtagccg agaagaccac gagtccagccg 240
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35 gcgcttgagt catttctgag atatcttgtg tctggggatc aggttgtatt ggaaggacaa 360
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<210> 779
40 <211> 402
<212> DNA
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aacgacccaa tgcataaata taatcaagca gcagcgagtt gcttcttgtt gtggtgagta 180
gataaagagt cttcctcgtg tggatacatc acaagtttcg tcttagaaga gattttgaat 240
gaagaagggt caagaaacag agacttcac ttcacaaaca tcgccatctc tctttgtaga 300
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50 aagaagtcaa gctcaagcat gttcatttct tctctgctta tt 402

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55 <213> Arabidopsis thaliana

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60 gttctcctct taatcaaaca gaacttccag cttttgaaga ggttgagctt tcagacatag 180

5	cggcatttga	aggaatatcc	ccagggggcca	gtgggagtca	gtctggccac	agaacatcat	240
	tgtccacaaa	cactaaccca	gtagatgttc	tgagtgtcaa	tgagttgtta	gaatcggtat	300
	cagaaactgc	tcggcaagtt	gcaagtctcc	ctgtttcctc	cattcctgta	ccttatgacc	360
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 <213> Arabidopsis thaliana

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	tcctggataa	tcgttaatat	cctcaacggg	catcatcctc	cttgtccctt	ttcttctctc	180
	aggatcattt	tcaatacgtc	ccagatgggt	aatctgacga	ttcaattcct	gtcccttggt	240
20	ttcaaagtct	gttgatttct	cagggtcttg	agtgattagg	agaggcttcc	atgagatcat	300
	gagatagaga	agagctaaaa	ccaagaacat	tcgatggtaa	aagagttgtc	ttctcgccat	360
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<210> 782
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 <213> Arabidopsis thaliana

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	ccagggtaga	agctaagctt	ttagaggatg	acacttttaa	aacagaccaa	gcagagttga	180
	tagaaattga	tgtaaagac	gcaacgtcaa	tgggtactgt	agaggacctt	aaggagaaag	240
	ttgagaatgc	taaggacgaa	gttgaaattt	cagcgacaca	tcatgaaccg	gtcattagta	300
35	caccagattc	caaaaagaga	cgggctgaag	atgaatcagg	gcctcaagct	tacgccttat	360
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	gaatatgtta	ctgatgctct	cagctacctt	gagaaaaatg	tcacacaagc	ggagatcatc	240
	gaagatcttc	atgatcgggt	ttcccaattg	cgcggatatt	cgcagcagtg	cataagtttg	300
	gtggattact	atgttcctct	tttcttctta	caactagagn	nntttcaacc	tcattatttc	360
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 <212> DNA
 60 <213> Arabidopsis thaliana

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<400> 784

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aacaacatgc	ttgcgatgaa	gcgagcgcaa	gatgtcttac	tacgagccaa	cggctttgac	180
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ccacatacga	cttaggatac	ttgcaagcca	ctcaaccttg	cggactacga	tctttaaaac	300
acaaattgcc	ttcgatttat	gtttttcaat	tttaataaat	tatgttttcag	tcacaatttt	360
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 <211> 401
 <212> DNA
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20

<400> 785

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acggcactcg	agctctctcg	gtagccgatc	ttcttcttct	ccgttacgtg	ccgccggaga	180
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tcctttcttc	ggtgatgatc	ctagggtttc	tcctcagaag	aataaaatct	cgcttctatt	360
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35

<400> 786

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aagccaatct	tagcagcagg	agttagcatc	aacttcccg	atgcaaattg	gtgggtctgct	300
cttactctgg	ctgcattcag	tggcagggag	gatactgtcg	ctgtacttgt	ctcactgggt	360
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gcctctgctg	tgctattcaa	tggcggataa	ctccaacttt	ccgacatata	ttcgaaacct	300
gtaaatgagc	ggacaactcc	tcgctccctc	aaagactttt	ggaattctgc	aatcttccat	360
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<213> Arabidopsis thaliana

<400> 790
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aaagttcata tcgtttctca gaccttaaga ttctaccggt cggagtttcc aagttgcaaa 180
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45 <212> DNA
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55 gtacaacact ctgtttccat tggaactctc cgtgcatttg a 401

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60 <213> Arabidopsis thaliana

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<400> 792

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acaactcatg	atcaggatgt	cttcagtttc	aatcccaatg	atacatattg	taacggggtt	360
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<211> 401

<212> DNA

<213> Arabidopsis thaliana

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<400> 793

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ctctgcatcg	tgagaatgtg	ccatctgctg	ttgctgcggc	tgcacctcag	ggcttgacca	180
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25 atcgggcgtg	aaccactag	aaactagtgc	tgcgtcatat	ataagatcta	tggctctcat	300
tgcattctcg	tcatttgggt	tactattgta	agcagcattt	atgttcttga	taattgagtg	360
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<220>

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<212> DNA

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attgtgacgg	cgtcagccac	caccaccaag	aactccattg	ttatcttcgt	aatctctatg	360
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 <212> DNA
 <213> Arabidopsis thaliana

25
 <220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

30
 <400> 797
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 aaaagctttg attttgtata aaatcccacc actgctctct taccatacct tcattacaca 120
 tctctctttc tctctctcgc tctcagtttt ntgggattgt ttcttttaaaa ggggttctta 180
 ggggttagtg aagctataga tttcaatttc atacatagtt aacgtataga aggaatcttg 240
 35 ggttgatcaa tggaagggtg tccaagaaac agagaaatcg gtccaaaact tcttgatttg 300
 attccacaag gaaggaaatg gnaccaagaa gacaagaaca acacagatca ggagaagaaa 360
 cttgagctaa ggcttgacc acccggtggt gatgaagaag 400

40
 <210> 798
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

45
 <220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

50
 <400> 798
 gaagagattc tgaagaaacg taagagtcta gctgaggaat ctggtggtta gaagttcttc 60
 aagcggctctg agatcgagca gannnaaatc cagaagcttc gagaggaaga acgacgcgag 120
 cacgagctta aggctcagcg gagagccgcc gccgccgctt ccggtggaga tggaaaatca 180
 tccggctctg ctcttggttc ttctaacgca gctacgtctg cgtcttccaa atcctctgca 240
 tcggacgctg ctgctatcgc cgattcaaaa gccctaaccg acgaaaacct aattctcccg 300
 55 aggcaggaag tgattcgtcg tttgagattc cttaagcagc cgatgactct cttcggagaa 360
 gatgatcaat cgcggctcga tcgactcaag tacgttttga 400

60
 <210> 799
 <211> 400
 <212> DNA

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5  <213> Arabidopsis thaliana

    <220>
    <221> misc_feature
    <222> (1) ... (400)
10  <223> n = A,T,C or G

    <400> 799
    ccactcctcc ttactgact gaccatgcga tgggggtgggc gagtctggct gatattgagg      60
    tgaagccgag tgggggtgta gggggagtg c agatgccgtt gcatttgtcg agtttgtatc      120
15  agtcgaccag gagtcaggtc gagcagttga ccagtcgaca gtcgagtcaa cagagagaaa      180
    tgcaactcat cgatcaagcc atcaatcgac tgaacgggtc gaacgacgac aagctgacgg      240
    cgtgtcagtc gctgttgact catctgtcga ctgtcagtc tccacacca tctcatgttg      300
    cgtgtgttga cctgctcgag cactggctgg cctccttca agagcnnntc caccctccct      360
    cccctcctg ctccctctc ctctctcccc actccctcaa      400

20  <210> 800
    <211> 400
    <212> DNA
    <213> Arabidopsis thaliana

25  <400> 800
    cggccgcacc cacatcaaaa gatctctcat ttattcgttt cgtttctgct gttttgagtg      60
    tcgggttcgt ttagctgta atcttttttt cggcggttcg atttgaaaaa atccggggaa      120
    caggtgatcg gaatcacggc tatacacggg atatcacggg gtgttagctc acatgtccat      180
30  attgtccgac agaagggttg tttaatcgaa actaatcctt tgccgcacgg aggacgtgga      240
    gctctgccgt ctgaaggcgg cagcccttcc gatctcctct ttctcgccgg tggcggttcc      300
    agctttaact tcttttctt taggttttag gagttagggt ttgttagtgt tttttccttc      360
    ttcttttttt ggtgctcttg aatcgctttt ttcttggggg      400

35  <210> 801
    <211> 400
    <212> DNA
    <213> Arabidopsis thaliana

40  <400> 801
    ggtcgcggcc gaggtactaa attctcttgg ggatcattca acgaagcgac tcctacagcg      60
    aatgaagctg gtacgtttgc aagaaacggg cttgtggaac aaataagcat gacttgggac      120
    aaatctgact atttttgta tctaacagac attacaatcg gtccgggtga gacatttttg      180
    aagactggtg attcacctct tcttacagtt atgtcagctg gacatgctct tcatgtgttt      240
45  gtcaatggtc agctttcagg aactgcttat ggaggacttg accacccaaa actaaccttt      300
    agccagaaga tcaaactaca tgcagggtgc aacaagattg ctcttctgag tgttgacgtg      360
    ggtctcccga acgttggtac ctgcccgggc ggccgctcga      400

    <210> 802
50  <211> 400
    <212> DNA
    <213> Arabidopsis thaliana

    <400> 802
55  gccgaggtac acactcatcg taataaagtg tggttctttt ctggttagga caccgagtta      60
    aggtgtcgtt gacggcaaag gagacgcac tacggcaaac ttccgttgag acatctccac      120
    ggcagttgaa aagtccggtg actctgtctg gagcttggcc gacggtggcg ttttgaatc      180
    cggtggagta ggaagcgttg cggaagaaa gagaagccaa aagggtcttg agattgttgt      240
    tgtaagtgtc gttacttgtg taatttgccg tattttgaca ggtgtggtat acgtaagtgg      300

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5 gatcttgagc agaaactctg aaactcgtga gaaaggagaa gaggaaaagg aagaagaaag 360
aggagtaata agacataata cctgccccggg cggccgctcg 400

<210> 803
<211> 400
10 <212> DNA
<213> Arabidopsis thaliana

<400> 803
ccacgcgtcc gaaaaacgct cgtctttcttc ttctttcttct tcttatatta cttcttcctc 60
15 ccacacagac aaattttgta acgaagacgg gatcgcgata agatcccggg gatcgaaaag 120
ccctaagaag taattttcaa gggaaaggga cttaaagatg catacttttg gttacagagc 180
aaatgctctg ctcactttcg cagtcacggc tcttgctttc atttgcgcaa tcgcgtcctt 240
ctcagacaaa ttcagcaacc aaaatccttc tgctgagatc cagatactta atatcaatcg 300
gtttaagaag caatctcatg gtaacgatga ggtcagcttg acactggaca tatcagcaga 360
20 cttgcaatca ctttttactt ggaacaccaa acagggtttt 400

<210> 804
<211> 400
<212> DNA
25 <213> Arabidopsis thaliana

<400> 804
agtatggtga tttatcgagt tttctgttcc ataagagaga acacatgagc ttctggatct 60
ccgggaggca gctatctgca aacgtggcga tatgctttct cgcatagtcg atagcttctt 120
30 tggagttttt gcctcgtgct atttcagaaa agtgtagact atgaagcttc atctcaagat 180
cagaccttgc ttcttttagt ttgtcagagt tcgaaacagc ccaattaaga gccgggtcaa 240
gatctcgtct cttcatagct tctagtatcc gatacatctc cacgaaagat tgtctttagt 300
aacattcaga ttcaccagtt tcagcaacaa aacagtcacc aatgtcaaac attccttgac 360
ggtagaaaaa gttggcgata atctggttaa cgatatgagt 400

<210> 805
<211> 400
<212> DNA
35 <213> Arabidopsis thaliana

<400> 805
atcaaaaaaa gatatgctgc tttatcgcat cattattgat aaccaactct aacaaaaaca 60
agaacacaca catactcgtg cattcttatt attcagtga gaatagttct aaagcaacat 120
taactagaga agcatggatc cacatcacgc attcaccttc gattcccaac ccgcaaccac 180
45 aatctctttc ttagccttgg tgttctcaaa cgactcccta gagaacaaag ccttggcgta 240
gttacgaaca ctgggtcaagc tctcagggac agaccagttc ttgtaatgac caagagcaac 300
ctcaagatgg taaagctttg gtgctaaact caaatccact gcagtaatct tctctccagc 360
tacaaaagga ccagaatgtg tcttcaagtg attctccaac 400

<210> 806
<211> 400
<212> DNA
50 <213> Arabidopsis thaliana

<400> 806
tcgagcgggc gcccgggcag gtctcttttc tttctctcgt tctcatcttt ctctttaaga 60
gattttgtag gtgacaatca aaagtgtgac aaaatgggtga agtttacagc tgatgagctt 120
cgaaggatta tggactacaa acacaacatc cgtaatatgt ctgttattgc tcatgtcgac 180
cacgggaaat ccactcttac tgattctttg gttgctgctg ctgggtatcat tgcccaagag 240
60 gttgctggtg atgttcgtat gactgatacc agagctgatg aggctgaacg tgggtatcact 300

5 atcaagtcca ctggtatttc tctctactac gagatgactg atgaatcctt gaagagtttc 360
actggagcca gagacggaaa tgagtacctc ggccgcgacc 400

<210> 807
<211> 400
10 <212> DNA
<213> Arabidopsis thaliana

<400> 807
15 aggtacctta acaaccggcg gccttacttg ctaaagcaat tgaaccatt tatgggcacc 60
aaggaggaac taattcaagt gtaataactt gctgcattcc aaattgtgaa aaagaagctc 120
ttgcagttgc ggctgccatg gagaagggca ccacgcattc tattggaaga gctgtttag 180
atcacagtgt gggtaaggat cttccttcta tttttgttga aagcttcgaa tttttcctg 240
gtagaggcct tactgctact gtcaacggtg ttaagacagt agctgaagag agtagattac 300
gaaaagcatc acttggttct atagagttca ttacctcact tttcaaactc gaagatgaat 360
20 ctaaacagat caaggatgct gtaaacgcgt cttcgtacct 400

<210> 808
<211> 400
25 <212> DNA
<213> Arabidopsis thaliana

<400> 808
30 taagtgaat cactactaat tgcaaaaaag tottacaag gtttttgata ataattaatt 60
ggtatttttt ttttgaaaaa tatggtctgc aattacaagt aacttgagaa cagagtgcac 120
aatagcgaat tgactaagct tagtcagaaa acttggttag actccttatt tcttctcttc 180
tgttaaagga gcttgagcgg ctgctgactc ctctgtggt ggccctcatt cggggaagaa 240
aagaacctcc ttgatgttca gtgagtcggt caaaagcata gagagtctgt ctattcctaa 300
tccccagcca cctgtaggag ccaaccata ttctaaagca ttacaaaatg tttcatctaa 360
35 agccatcgct tcatcgctc cagactgtcg atccttgagc 400

<210> 809
<211> 400
40 <212> DNA
<213> Arabidopsis thaliana

<400> 809
45 tttgcagggtg aaaattaagt ttatgaaatg gaaaccaaac taataatttt ggtaagata 60
aatatatgtt tcttacggaa gagacaatga ttctagttt aacatgaact tatctacatc 120
tcgacgttgt cccagtcaaa tgtatttcct tcgaaattgt aatccggttg ttgcattcgg 180
ttccttgcca atctgctcat cactgcaagc cttctacca ttctatagag tgatgacaac 240
catccctctc tagagatatt atgttcctca agcgactctg caatctcttt gtcgtgtttc 300
ccctcgagaa cactgcgcag agtcacaact gcacgtttg ttctcttcaa aatgctgctg 360
50 tcattctcaa tttcaaggct ttgaagatcg ttgtgcgacg 400

<210> 810
<211> 400
55 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

60 <400> 810

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5  tttttttttt ttttttttgg tagcaactaa aagcttcttc tctccaaaat ttgacatttt      60
   tccaacttct gttattatta ttaacatatg taaannnctt aactgtagta gttaaaatac      120
   gtatagatgc aacggtctaa gcttctcgct atgtatgaat gccaaagcaa ttgcaaatac      180
   ttgcagacta gtcaactttg cttcgaattg aactaagtag agtctctccac taacattcac      240
   aatcttttagt cctgtttgtt catgttttga cccctctatg aatagttcga agtactggtc      300
10 tttccgtggg tggcctttaa gaagggtcaa ggaacaacac aaatcccatc ctccacagtc      360
   acaatttcct tgagatttcc atctctctat caaactcgaa                        400

```

<210> 811

<211> 400

15 <212> DNA

<213> *Arabidopsis thaliana*

<400> 811

```

20 cctctagagc ggccgccctt tttttttttt tttttttttt ttttttaaaa ccacgaaatc      60
   caacatttta gttttttgag aagaaaaaaa cagactgcga taaccgggaa taggtacgca      120
   tgatgagatc ggtttgattt agtattttta cagaacattt ggtgagacaa cttttaagaa      180
   gagggagaaa gagaaccggt tacatcattt ggtgactaac agagagagac agagcttgca      240
   atattttcca tcattcctcc tctgcagcac tagctgcgtt aagatccaca cttagatcca      300
   gttcctttcc ggtgatcaat ttatacatgt tcaacacatc aacaacagtt gtgtcaaagt      360
25 gtattgtagc atcataactc gttgatatga agcagttgtc                        400

```

<210> 812

<211> 400

<212> DNA

30 <213> *Arabidopsis thaliana*

<400> 812

```

35 ttttttcggc aaaaatgggt aaaagaaatt agagaaaact gagtagttca aacttgtcta      60
   acaattaaat ctcttgcaag aacagcaaag gcatacttta attgcatagg aaacgagctt      120
   tgacctaacc ttagtcgtgg agaaattgaa actgtcttaa acacagtaga tccaaacgaa      180
   cctaattgtc gagaacgcac acatcgccgg aaaactaaag atatagagag agaaacgcat      240
   atcgttgact ctctctcttt ttcactctct tcattttatt ttccctctcat catcatcatc      300
   atcttcttct ttaacaaaaa acacaactta caagaaaact gttgaatctt tgtattttatt      360
   tacatctcct ttgaccttta ataagaatct gagtgggttg                        400

```

<210> 813

<211> 400

<212> DNA

<213> *Arabidopsis thaliana*

45

<220>

<221> misc_feature

<222> (1)...(400)

<223> n = A,T,C or G

50

<400> 813

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55 gcgggccgctt tgaatatacc actagtggtc gaggtgggtcc ttaagaaaca caaggacatg      60
   gaccatcata tgagttgaaa tcaggagtca aaccaaaacca caaattaata actacaatca      120
   aaagaaatag ngtttttagc acacaaaaac aagcaaaaaa aaaagcaaaa taacatgatc      180
   cgagtaacat aattgccctt ctcaattcca ctccaccacc aaataacata acccgagtaa      240
   aatttgatc caaaaaaaca agatcaccat gagaatatct ttannnggac tagccagtga      300
   agcgaatgaa gtctcctaag caatcataga aatgattgat attgattttc tctctcccag      360
   catagatagc ttctgcagat ccaccgtttt ctcttgcgc                        400

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60 <210> 814

5 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 10 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 814
 15 tttttttttt ttttgtagt aaacggtata gattcaagaa ttagtttctg tataactgtt 60
 atgtacaaca ccatgtggac tgaatacatc cgatgagtat atatacgaag tacaacacc 120
 aatatacatt tcaaacaaca gcatggttgt agtcatggta atggaatgtc ttgtagatga 180
 agtgtgatag ccactttgaa gctgcaaaac ttaaaacagc cgccacaagc actgcaattc 240
 tagccacatt cgacattgtc gtttgcttca acaccgccat gactccgac atagcaacgg 300
 20 atgcgatttg taagatcacc tctagcgcat tgagatattt gnnngcttcc ttgcagctgc 360
 tgcagttctc aacatgcgac caatacctgt cgaagagctg 400

<210> 815
 <211> 400
 25 <212> DNA
 <213> Arabidopsis thaliana

<400> 815
 30 aatttgcttc gccagtgttc gatcctccgt tctcatcacc tccaccgacc ctgctcacia 60
 tcttagtgat gcctttcagc aacgcttcac taaatctccc actttgggtc aagggttctc 120
 taatctcttt gccatggagg tagatcctac cgttgaaact gatgacatgg ctggtacaga 180
 cgggatggat gggtttattct ctgatttggc aaatgcgatt cctggaatcg atgaggctat 240
 gagttttgct gagatgttga agttggtgca aacaatggat tatgctacta ttgtgtttga 300
 cactgctcct actggacata ctctccgcct gttacagttt ccggccacac tagaaaaggg 360
 35 actttcgaag ttgatgtcat tgaagagtag atttggtggc 400

<210> 816
 <211> 400
 <212> DNA
 40 <213> Arabidopsis thaliana

<400> 816
 gctaactact tcaacacttc ttggtcagcg gataatcctc tatggtctac aacgggtacg 60
 cagcccaccg atggctctag accagtacca ccgcccagttt cgtcagaaca agtcttcttc 120
 45 acaaaccacac ttcaacaaaa tctgagaaca gttccaaaaca caaacacaaac tagtccatt 180
 tggtccgctc caaccgacaa gaaaaacggc cttgcgacaa cacggaatcc aaagaagaga 240
 tctcgagtct cgagacgagc gcctacgact gttttgacca ccgacacatc caacttcaga 300
 gccatgggtc aagaattcac gggtaatcct tcaactcctt tcaccggatt atcttcatct 360
 tttccaagat cagcatttga tctcttcggt tcttcttctt 400

50
 <210> 817
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

55
 <400> 817
 tgcacgatgt ccgatgctcc gtcgtcttcc ccggatgcca cggcgtcgca ctggtgctat 60
 cactgcaaca aacgcgtcgt cgttgaaacc ttagatgact ttgtcgtgtg ctgcgaatgt 120
 aacaaaggtt tcgtcgagtc aattcaaccg actcccgcg cttattcatc gccggcgcca 180
 60 ccgcagccac tttcccaga tctgaatgta gaagactcca gtattggctc gcatttcttc 240

5 cagatgctcc gcttggttagc ccacgcgcct tctcagcggt caccaccacg acaccttgat 300
 gttttatcctt acgaagatga tttcttcagg ttggagctca atagtagaaa cgaaatcgac 360
 gatgacgaag acgaagatga agatgatgga gatgaagaag 400

<210> 818
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

<400> 818
 20 catccgtaga ttatggatca tttcctacaa agctatcgac gaattcaaag aaactatcaa 60
 gtcacaacaa ctgtatcttc ttcccaataa aaagaaaccg caaacagata gatcaagaag 120
 taccacaac aatggaagta aacagatcag gcagcttgaa catcagcagt ggttggtgca 180
 ggagtagtct ttgacagggt tgggatatac ttccaacaac gtttggtgaa tccgcttacc 240
 tttcttgnag cttccgcagc tcgcaatcca tctttgtgaa caattcccca agcttttcca 300
 25 tgtctaccat ccttatagag attgatctta gtgatttcat aagagattcc attccagtga 360
 gcttttagcca tatggtatcc gattcccca ttaggtaag 399

<210> 819
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

<400> 819
 40 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt ttttaattgac 60
 aaatccatag tatatttcga ttgaaattgg tgaccatatt ctctactcta caaccaaaat 120
 atctaaaaaa agaaaactaa atcaaaagt tttatattct aaacactctc aaggggattt 180
 tgctttataa ttgttagagt gtaaggaaca aagccaagnn ntagtatata gttacaacaa 240
 aacgacggtg tattggtcac tcaggcagtc tcagacggtt gaaaaggacc aagaaactct 300
 gctcagggcc aatatataga aatccaagat ctgcgccctt cacatatggt cccattccct 360
 45 ttccattgag ttttaagagc ttgccctcga cccatcttg 399

<210> 820
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<400> 820
 55 tttttttttt aaaaaagtaa caaacttcaa caaatcttc acaatagtgt caaggatcat 60
 ccattaccca taaaaaaaaa aactgaaaag ttacgaaact caacatgaat cacacacaga 120
 gatttgatta tttatcatat aagaggaagc caaactgaaa atgtgcttgg ttactagcag 180
 ccaactcattc atgaagatgc tgcaactata ggcatctgag ttaccaatc aaatttgtct 240
 cgactgtgtt tgcgagaagc ttgcttcttg tctttgctgc tgccaccacg tgaggaagag 300
 ttgtcttttag acttctgtcc tttctttcca gtcttcctgt ggttgctttt gctcttggat 360
 ttctgctgct gtttcttgct tcttgtagct gtgtgggag 399

60

5 <210> 821
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 821
 taacaaaagc caaacataac taaattatga ttatccttgt aactgaaact ccaatatcaa 60
 aaactgataa aagacaacca agaaacaaga cgggaaagat aaatatttgc gataaccaa 120
 acctataaac caaactcatc tcatgaaggt ctttaagcttg gtcttcaccc tcagtataa 180
 ccttggttgc agaaacagcc ttagtcgaca ggaaatcagt gtgctcttgg tacggcgatc 240
 15 tggagaatct agtctctttc cagaactctg gtgtaaggaa cccatatgtc ttctgtaagc 300
 aatcgaatgt agccttgaca aagtttccaa ggggttttgg agatcctctt gaagaagtaa 360
 agacatcatc aataccagcg aactgaagaa ccttcttag 399

<210> 822
 20 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 25 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

<400> 822
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 tcttttagatt ctttactaga acaccgataa ttgcagaaca aattaacatc atgggaaaac 120
 cagacgtggc ccaacataaa gatgaaacga aagaaatggg caaattctac ttggttatcc 180
 agtaaataaa tatgagmnnt gtgcatacag ccgcaacgag tgaaagaatg attgtatcca 240
 tcgacttttt cctctttatc gctgccagaa tagtggtcac cgtaggtaga cggctggcga 300
 35 cattgctaag ctttgagttg atgcctccaa aagttgaacg ttgaaacaca agtgtaccga 360
 gtgttgccctg agcttgtgaa atgacaccgt ccatctgag 399

<210> 823
 <211> 399
 40 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 45 <222> (1)...(399)
 <223> n = A,T,C or G

<400> 823
 cttttttttt tttttttttt ttttgaagaa agtttggctt tttatgtaaa atagtttggt 60
 50 cttttatata tcacagattg cagacaggca ttactcaaag tgaagccatg taaacaatcc 120
 atacatatat aaaaataaag tcttcattac tactaccaa agccagaaaa gaaaaagaaa 180
 nnnnaaaaaa nmaaaaaagc tcagaagcat ctaatcatcc taaagctggg gaaatctcaa 240
 tctactcaac tacgtagcaa gcattattgt tgtaataatt aggaactggg ccaagataat 300
 caacagtagc agatggcgtc tgagacgggt atgcaaaaagt gcttgacagg agatgagtaa 360
 55 gctgcacata cgtaccggtg gcattacaga acgccccatg 399

<210> 824
 <211> 399
 <212> DNA
 60 <213> Arabidopsis thaliana

5

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<400> 824
tcgagcggcc gcccgggcag gtacacataa agagctgcat tgatgggtgtt cgatgaattg      60
tctaactgtg actatccttg acgagatatg taacaacaca gccaggaatc tcataagact      120
ctgtttccac ccaaaatcag gtcggaagat agttgcaggt aggaagctaa tcaaacaaga      180
10  caccttattt ttcacgacga gatgttgaac ccctgaagaa tgttggacac cattttgatg      240
gataaaacat tttcatagga gaaatgatag agtccagggg aaaagttgtt tagcttttca      300
agccttaccg tgtgcatgga caaattttctt attcactatc tgtttttgtg tgtagtaaga      360
atctgaattt tatgggtgaa tttgtacctc ggccgcgac      399
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15 <210> 825
<211> 399
<212> DNA
<213> Arabidopsis thaliana

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20 <400> 825
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caagtatgat agtaacaatc tcagacaagt ttgattcaag aaaatcattg atctctttaa      180
gtgcattgat agctggttga aaggctgtga agttaaagca agtccctcca gtggaatgac      240
25 acaaccatat atcgttttga aaatcatatg tatctagcat tatacctctc acaccattct      300
taagctgatt ggtgatggag tcttcttgat tctttggaga gacaaggaat gaaccagttg      360
ccgaatttgc ccccggtgatt gcgtacctcg gccgcgacc      399
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30 <210> 826
<211> 399
<212> DNA
<213> Arabidopsis thaliana

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35 <400> 826
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tttcgattaa tgaaataaat gcttattacc atattgctga gtgcgtgggtc gttacagctg      120
ttagagatgg tatgaacctt actccctacg aatatatcgt ttgtagacaa ggtttacttg      180
ggtctgaatc agactttagt ggcccaaaga agagcatgtt gggtgcatca gagtttattg      240
gatgttcccc ttcgcttagt ggggctatac gcgtaaaccg atggaacgtt gaagctactg      300
40 gagaagcact aaatgaggcc ctctcaatga gtgatgctga gaaacagcta cggcatgaga      360
aacattttccg gtatgttagt actcacgatg tagcttatt      399
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45 <210> 827
<211> 399
<212> DNA
<213> Arabidopsis thaliana

50 <220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

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55 <400> 827
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tgataaactt ggtgggtgct ttgcccccaa gccgtcttct gggccacaca agtctaggga      120
gtgtttaccc ttggtcctta tcacaggaa caggttgaag tatgctctga catacagaga      180
agtgatttcg atcttgatgc aaaggcatat tcaggttgat gggaaagtga ggactgacaa      240
gacttaccct gctgggttca tggatgttgt gtctatcccc aaaacaaatg agaacttccg      300
tcttttgtat gacaccaann gacgtttccg tctccactcc atcaannatg aggaggctaa      360
60 gttcaagctt tgcaaagtga gatcgatcca atttggatca      399
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5
 <210> 828
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

10
 <220>
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 <222> (1)...(399)
 <223> n = A,T,C or G

15
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 tggtgggtgg ggtgggtggac gtagaggatc tagccatgga agtctcttgg ttcgtaacat 180
 20 tcctcttgat tgcagaccag aagagcttcg tgagcccttt gagaggtttg gacctgtgag 240
 agatgtctat atccccagag actattactc nnnngcaaccg cggggggttg cgtttgtgga 300
 gtttgttgat gcatatgatg ctggggaggc tcaaagaagc atgaacagga gaagctttgc 360
 tggaagagag ataacgggtg ttgttgcttc agagtctat 399

25
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 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

30
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 aacttattat tttctcattc cggacgagtc ttgacgatga aattctgacg gctaattggga 120
 ttcataacaa cgggaggacc agcggttcct ggccatgctt ggaatttctc atccgttgct 180
 gccaccatt ctttggttaga gacagttcct ggagtagtcc ctccaaagat cttattatca 240
 35 gagataactt tgtcgaagat gtatgagatt ccgaaagaac cgatgagagc accgattatg 300
 tacttggtt tacctcctga tgccattttc ttctaaagct ttgccgattc agagacagtg 360
 aagcttaaac agtggacacc tgcccgggag gccgctcga 399

40
 <210> 830
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

45
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 tttacatata gtacacatac aagcataaag cacgatctgt tttcttaaat gtgtttcatc 120
 ttacacgagg agattgagtg taagaaggta aaggcgatgc accaggagtc atgtgcagca 180
 gaggccgatc atgactatat cttaccggag atttctgcat aacagaagaa tgatgaaatc 240
 ttggagattc catttggttg tgtttggttc caggtttagc aacggattct agctgttcta 300
 50 atgtgactaa aacctctgac atttttggcc ggagttttgc atcgggattt aagcattgca 360
 atgcaagatt agcagctgtg aaagctcccg gacgcgtgg 399

55
 <210> 831
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

60
 <400> 831
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 cttatgacta tgatgatcct cttcaaagct tttcctcttc ccaagagatg gctctggctt 120

5 acttttctct ctgctgcttt taggagctga ttttctttcg tcttccattt ctcttcttct 180
 cgcccatgga gccccgaaac ctctttcctg attaccacta tggttttcct ctaacctacc 240
 cttaattcta tctcggagtc taccctgaga aggtaactcg cttctgtccc ttcccccttc 300
 acttctcctg tcaaagtggg gacctcttcc gccattgctt ctctcacgaa gcttaattct 360
 accctgaaga cgactactgc taatggagcg gacgcgtgg 399

10 <210> 832
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 832
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 caaaagtcta aaaaaaacta ctgtacgaaa tgatacaaca acagagtata tatcaatcga 120
 aactgcaggc tcgaatcgag tccaaacgcc atcatatcaa aaatcagaga ccttcgatac 180
20 tcgtattact tctccaggag ctagctactc tagccatagc tcttgctaata gaatgcagcc 240
 gtgataaatc caaatcgtaa aaccatacag agagactaaa tactacagcg ctattttcta 300
 gaataggtca gaatattcac tactgatatt tctttacgta atcataaaac tgggtacaat 360
 ttcttccaat gagaattctt acagaaaaag taaaaacat 399

25 <210> 833
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

30 <220>
 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

35 <400> 833
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 acaaaaaaag aaggagaaga gaaaactccg ttttcgtttg gtagggcaaa agcctagttt 180
 taacggaaat tagcgggtgct cttgtaagtc ttaccgccgc tccagttagc cggagcaacg 240
40 ttccaagcat agatggtttc accggtggtg taagaagtga cccggaaaga gagagattga 300
 ccatagagag aggaaaaann ttggttaagag gctccccaat tgtggctcat gcttatccaa 360
 ttcgtccggc tacctttaac ggcatgctc ttgatgtct 399

 <210> 834
45 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

 <220>
50 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

 <400> 834
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 ttacggaat cgaacaatgg cagacactcg tcttccttct ctccatgct ttcttcttct 180
 ctcttctctc tcttctcttc ctcatctact tcgatcagat ttgcttcttc ctogattcct 240
 tcttctcttc cggcgccgcc agattagccg cgggtttcac cgggtgctgta accgctctct 300

5 cgcgcggtttg tctactcttc gccgcagcta atttcgttta ctcagatggt ccgcttcagt 360
acgagatggc tcaacgcgat gttagctccg tcggtgact 399

<210> 835
<211> 399

10 <212> DNA
<213> Arabidopsis thaliana

<400> 835
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15 gaggatagtg atgagcttgc cttggctatg gaactatatg tgcaaagggg aaaggccgtc 120
atcattggcg gcggtttctt agggcttgag ataagttctg ctctaagggc taataatcat 180
gaagtgacca tggtttttcc agaaccttgg cttgtacacc ggtttttcac cgctgagata 240
gcttcattct atgagagtta ctatgccaac aagggaatca aaatcatcaa ggggaactgta 300
gcaactggat ttagcaccaa ctcagatgga gaggtcactg aggtgaaact agaggatgga 360
20 agaaccctag aagctaacat agttgtcgct ggtgtcgg 399

<210> 836
<211> 398
<212> DNA
25 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)... (398)
30 <223> n = A,T,C or G

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35 ctgatggtga taaagaagca ttacgtgaac aacgttttga ttcatatgat cggaggggaag 180
acaggggatg gggccatcgt cgagtttctt ctgagagaga ggatcgtttg gacagaaggg 240
tttacgcaga agatgagaga tcagagaaca tactggaatc ggatctgaga tatcgtttgg 300
ctaagcagag aaaaggcaat ggtatgagat tatcagtagg aggccatgac tatgctgctc 360
ctgactcttc gatggacaga ggatatagag agtctcgt 398

40 <210> 837
<211> 398
<212> DNA
<213> Arabidopsis thaliana

45 <400> 837
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ataccgatta ccgcttttgt ctacatatta actgaaacaa tgtacatggt attagacatt 120
acagaaattg aaaagcaact agtaagccaa agggatgtat ttgctgacaa gtctctctct 180
50 tctcatagct gcccaagttt ttctgaagc atctgcatta actttggatg ttgttccagt 240
agctgacaca gcttgtcacg gtcacttaat agagcctgaa tggcttcagg ggacttgaag 300
taatcatgta atgacattcc agattcttgt tgctgggaag tcccagctcc ttgctgacct 360
tgaacagcat gatgctgttg ctgttgctgc acctggga 398

55 <210> 838
<211> 398
<212> DNA
<213> Arabidopsis thaliana

60 <400> 838

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cacaaggctcg ctaatgatga ccagtaactt catatctacc aagaaacaaa ggaacaaaaga 120
aataatccag aaacgatcca cacagcattt actgttcttg tcttgagtgc taaacgtttc 180
ttctttttgt ttttttactt tggatatttg tttctcagag ccgcggagac agcttctgtg 240
tagcttcacg gtaatcataa actcctactc ctctgttttct tcctaattctc ccagcatcaa 300
10 cgtattgaac aagaagaggg caagggtcgt actttgagtc cccaagtccc tcgtgcaaca 360
ctttcattac ggacaagcac acgtctagac cgattaag 398

<210> 839

<211> 398

15 <212> DNA

<213> Arabidopsis thaliana

<400> 839

agaaggagga ggcaatggcg gtgttatcca ccatctactc catcaccaga gcttcaacgc 60
20 ctactatggc gtctctaact aatgactcac cgtctccact tccttcttct tcaccgtcga 120
agcttccctc tcctacttct ccgtcaaaga aaccgttaaa actaagacaa gtgagcaaac 180
aaatgggaag tcaaaaccag caacgacgag gcaacaagcc ttcgatagca cagattgaga 240
gagcttttgg ctctggatca tatcgtgatt ccgaagggga aatggatatg aatacgggat 300
tcgatgagct tctattagc catgctaata aattcgaaag taagatcgag aagaagctac 360
25 gggagattgg cgaaatcttt gtagctcgaa cagagcct 398

<210> 840

<211> 398

<212> DNA

30 <213> Arabidopsis thaliana

<400> 840

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aaggtataaa ccggagactt cggaagttac aggtaaggag ttaaaatact ttaacataat 120
35 actactgcac tttttctaag ctttaaagta ttggtcactc tctagaagaa cctaaactct 180
cgacaaacag cttacgaatg tatgaacttt atttatttct tgcacaggag aacctcaaga 240
gaagaagatg acatctattg aagatatcaa atctcttgac atgaaaacgt aagaatcttc 300
agtcttctga ctgcataaca aaccagtaat ctttcttcgt attcttcaga tattcttgta 360
40 tgtatatttt gctagatgat tatgttacta tttctttt 398

<210> 841

<211> 398

<212> DNA

<213> Arabidopsis thaliana

45

<400> 841

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taatcatcgt gcttaatctt cttcaaggac tgatcctgat gctcgaacgg atcgatacaa 180
50 ttctgctgga ttgtttgaaa gtatgtctcg gtgatagaga gcagaaagtg ttcaactacc 240
cgaagtttta ccggttgcaa gagtaactga agatgaaaat cgggggacga gcaactgcctc 300
gttgcttacg gatttcgaag ctgctaactc ttccaaaagc ttccatgttg cttctcgttt 360
ggctacaacc tcggtttcat tcgcttcac tttcttggga 398

55 <210> 842

<211> 398

<212> DNA

<213> Arabidopsis thaliana

60 <400> 842

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ctcgtagctc tcaaggaatt cgaaagaaac tataaatagc gaactcaa atccgcttggt 180
gtgggtaact cacaggcagt ggtttttttc ttttcgttat tgtcacaaga aacagacagg 240
tattaagcat atgcaagaga tggatccagc ttctaagctg ctgactcttt agcgatcttc 300
10 tctgcctttg caaccacctc atcgatacct ccaaccatgt aaaacgattg ttcggaaaga 360
tcatcgtact tgccatccaa caaacctgg aaactgtt 398

<210> 843

<211> 398

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1)...(398)

<223> n = A,T,C or G

<400> 843

25 cgagctcggg acctcgagcg gccgcccggg caggttgga tccaagtatg aagatttgga 60
gttttcgtcg tgtttgatga ctctctgaag aatatttcgg gtctnnnnnc tgggggtcaaa 120
tttcgggtga gcaagcttaa atccaataat ttcttcgggt gatcatttgc aaaaggcgat 180
atgtacaatt gaaggatagt aggagtaaaa gctttatgaa gaatctgaat aaagtttcca 240
ccgaccgatg atgacggaag tttccgacga agagatgttt tcatgatgag tcggtgatag 300
cgtagctgac gaagcgtcgt tctcctgtca aacacccacg ttgcataaca cgtgttttta 360
30 atttgctttt atcttatgct gttttgcaat tagggggc 398

<210> 844

<211> 398

<212> DNA

35 <213> Arabidopsis thaliana

<400> 844

40 cctctagagc ggccgccctt tttttttttt ttttttagaa aaatgaaatt ttattattat 60
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ttcagtcctat aattcatagt attcctatac aagacagaaa atgccaaaaa tgccctctag 180
ccgaacaata tacaccgatt catatcgact cagttcgagc taatcggctc ctgctccgat 240
gcttcccacg acggtggccg tgaggaatcc caccgaacgt gaccggatca tagaccctga 300
gacgcttagc ctcagccgga ttcacaacac actccgacaa aaccaccttg tacctcatat 360
gatcgtaaca atacgaataa gtcatgtgtt tctgtcgg 398

45

<210> 845

<211> 398

<212> DNA

<213> Arabidopsis thaliana

50

<400> 845

55 aaagcacaac agctatagat tcatgataag ttgaaaaagg ctctcccagt agtttttagga 60
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acaagcctaa agaaaaagaa gaaaagaaag cgcaaaatth ggcatgagtg tgatcgaatc 180
taacaacat cacagcttca aagagacaag ttatccttgc ggtgtttttc aagatctatt 240
gttcccatat ttgagagcga cattagcatc caacagtgtg tcccaaacat gtagctctcc 300
ctttgagcca ccaatagcaa gcaagaaagg gttgtccacc gcaaggaaa tggaaaacac 360
agctccagca tttggttggt gtgtagcaat gcatgaag 398

60 <210> 846

5 <211> 398
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 <213> Arabidopsis thaliana

<400> 846
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 atctgggata ttctaataatt taacaacaac tagcctccac tatatttaga agagccact 180
 cgaagcatca ccacgaccac acaaattctaa gatcttttcc tcttgatttt gtttttagca 240
 ttactatttt gatatatgca aggttttagac cccaaaaaaa aagaagaaaa aatataattg 300
 15 atattttcaa aatttgagct ccattctctc taagccatgg gaaacacatt ccaagacgaa 360
 gttaatcaat agttcatcct ctgctttttc atcaagtt 398

<210> 847
 <211> 398
 20 <212> DNA
 <213> Arabidopsis thaliana

<400> 847
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 aaaaccataa agttctaatt aagagaatct cactctactt aattaacaaa gatctttttt 180
 aaaacatcct tccaagcttt gtgatgagta tgcttcttca agacttttga ttctgctgtt 240
 tcttggtttt aaagttttaa taagtctctc ttttaagttg gttcttggtg acgagctgcc 300
 caaagagaac taagagcacg aagtctatga agatactctc ctaaagctag taaacctcga 360
 30 gccgattgtc ttgtcgttaa gatcttcgcc atttgttt 398

<210> 848
 <211> 398
 <212> DNA
 35 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(398)
 40 <223> n = A,T,C or G

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 gaaaaaagcc agacatgcct ggaagcggtt cttacccaaa tcgttggtgac ataattggaa 180
 gaaaaacaaa gcttaacgta caaaagcgtt gttgtcatgt aatgaaatca gcaagtgggt 240
 tatcgacttc cagagacaaa aaccaacttc actacttaga atcgtgcaact ttctttgagc 300
 accatttttc ttcaagatcc tactgtttct tatttttttg ctttttgctt cttcttatcc 360
 aaagatgtta aaccagcacc taatcctgca ggagccag 398

50 <210> 849
 <211> 398
 <212> DNA
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55 <400> 849
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 agaagcagat ctcttgctct ctctatttga cgaacaagac cgacaataat gttgccttta 180
 60 aggttaagac gacgaatccg aaaaagtatt gtgttaggcc taatactgga gttgttctcc 240

5 cgaggtctac ttgcgaagtt cttgtgacca tgcaagctca aaaggaagct ccttccgata 300
 tgcagtgcaa ggacaagttt ctgcttcaag gtgtgatagc tagtcctggg gtcacagcca 360
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<210> 850

10 <211> 397

<212> DNA

<213> Arabidopsis thaliana

<400> 850

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 gagctcatcg ttaagcaggc gggtactaca aaattcaaac aaactgtcac aacggctcct 180
 gcaacgttgc ggatgttctt tcacgactgc ttcgtcgagg gatgtgatgc gtctgtgttt 240
 atagcatctg agaatgaaga cgcagagaaa gacgcagatg acaataaatc tctcgccgga 300
 20 gacggatttg acaccgtgat taaagctaaa accgctgtag aatctcaatg tcccggagtt 360
 gtgtcatgtg ccgatatact agctctcgcc gctagag 397

<210> 851

<211> 397

25 <212> DNA

<213> Arabidopsis thaliana

<400> 851

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 ccgttgca tatttgggtc tgtgggtc tctttatgt tcttatggca ggatatcttc 180
 catttgatga aatggatcta ccaactttat atagtaagat cgacaaagct gagttctctt 240
 gccccata ttttgcctg ggggcaaagt ccttgattaa tagaattttg gatccaaatc 300
 cagaaactcg gattacaatt gcagaaatca ggaaagatga gtgggttcta aaggattaca 360
 35 ctctgtaca acttatcgat tacgaacatg taaacct 397

<210> 852

<211> 397

<212> DNA

40 <213> Arabidopsis thaliana

<400> 852

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 45 ctccacacac cgttccgtct cttttttgcc gccgggaagc aagtcacggg gtctgccgcc 180
 gttgcgttca atgagtcag acgacgacac ggctcaaag gaggtgaagc tatgggggtg 240
 aaggttcgaa gagagtgtca ctgagaaagt ggagaagttc actgagtcaa tttcatttga 300
 taaggttctc tacaagcagg acattatggg tagcaaagct catgcttcaa tgcttgctca 360
 ccaggggcta ataactgata gcgataaaga tagcatt 397

50

<210> 853

<211> 397

<212> DNA

<213> Arabidopsis thaliana

55

<400> 853

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 tctctgcggt tctacgccgg cttcatgttc agaggagacc cttaaatcaa ttgcagtttt 180
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5 tctctgggta tacaccagaa ttatagggtt caatccggct acagtagtca ttaactctga 300
gcttccatac ggggtctggcc tcggttcatc agcagcttta tgtgtagctc tcacagctgc 360
tctccttgct tcttctatatt cagagaaaac ccgtgggt 397

<210> 854
10 <211> 397
<212> DNA
<213> Arabidopsis thaliana

<400> 854
15 tcgtaccgga tttgatttca ctcgagataa aataattagt gcaaaaaagt tctcaccatc 60
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ctccgtaagg tgggaagcttg agattatgca gaagaaacga gagatctgtg gttatagaga 180
caaattagac aagaccttat cttctcctga actcactaat cacgagactc tcaaattctct 240
tctcagaaac cagcttgaag agtggtgatga gaatatattg gataaaaaga cagatgatgt 300
20 atccaagtta cttagcaagc ttaggagtggt ttccatgact gatcatcaag tttctaaatt 360
aaccaacgat ggtgattgga aattgaaaca tgatctt 397

<210> 855
<211> 397
25 <212> DNA
<213> Arabidopsis thaliana

<400> 855
30 aatttttttg aaagcttata cgatggaatc ggagacgatg acgccgccga cgacgactaa 60
gacaacaaca acgacgagaa aaccccgaaa gcctcaacgg aaagacacga tttctcgaga 120
aacgccgttc gtttgtcacc ggaagaggag gctcaagcgc gtgggggttaa agatgatttg 180
acggaacttg gtcataccct cacgcgtcaa tttcgtgggtg tggctaactt tctcgtccg 240
ttacctgatg gatcttcttc ttcttctctc gatctatcga accatcccag gtttaaccaa 300
tctcgggtctt cagatcctgg attgaatcaa tcgcgttctt cagatcggga cgaatcgtgt 360
35 gttggaagtg atacgccgga gactggaatt aggttta 397

<210> 856
<211> 397
<212> DNA
40 <213> Arabidopsis thaliana

<400> 856
45 tttttttttt ggaaattact tattgtggac caagctctga ctttgaggaa gtctcagtaa 60
caaagacaaa ttaactcaaa aaaaaaactg aaaataaaaa attcaagtat cagacgaccc 120
caaaattttg acagagactg agacagcaag ataagcaaga ttcaaatacca ggatacaaaa 180
ccctcttttg acactagagg ttttagtttc gatggtgcga gctaacctct gaaccaacaa 240
ctatcatcgg atggatcact ttgatcacc aacggtttgt ttttatccca ataccgtaa 300
gtccaggact cacaggggtt ctgatgatag agacatacca acactttcaa gaagctcccg 360
ggactgcagc cgctgcagta gcgtacatgt ttgagtc 397

<210> 857
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<212> DNA
<213> Arabidopsis thaliana

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55 <400> 857
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ttgcaatctt cggattcttt agcaaagaaa atgacactaa tccttccgga gacgggtgca 180
60 tcaaacgtaa aggagacgag aaagcgaccc ggattatccg ggtcgggttc aagcctaaga 240

5 gactccttct tgagattaac gtcggttacga atcgtgacgg ctttctggtg ttcaacgtaa 300
ggagtcgggt gagccatcat gtgaccagca taagggtatc tggccatcgc cacgggagcc 360
caagagtggg tgtggtaagg atgcgggtga tgaatgt 397

<210> 858

10 <211> 397

<212> DNA

<213> Arabidopsis thaliana

<400> 858

15 ccccggtatc agtgccgtta gtggacatgt tgtcaccgtt tttggatgca cgggattctt 60
gggcagatc ctcgtctcaa agctcgccaa acttggtact caggttatca ttccctaccg 120
tgacgaggac gaagcgcgag tcttcaaacc catgggtgac ctcggccaaa tagttcgaat 180
ggagtgggac attcgaaatg aggccagat tgctgaatgt ttgaagcact cggatatcgt 240
ctataacttg gtaggacgtg actatgagac caaaactttt gactacaagt ccgtgcacgt 300
20 cgatgggtgct gaacggatcg ccaagattgc ggctgaatct ggcgtttctc gcttcgtgca 360
cctgtcgcac ctgaatgcct cccacaactc gaagtcg 397

<210> 859

<211> 397

25 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

30 <222> (1)...(397)

<223> n = A,T,C or G

<400> 859

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35 aaacatgttg tagcaciaac tgcagtacca aatgtagtgt gccactgact tatttgattc 120
agcataaaaag cataaaccac atctaagtgt agaagaagaa aaaaaaaga gtttggctaa 180
gcccctatag ccatttatcc ttcccaccgg atgttgaaag nnnataaata aagccccctt 240
aactttgttg aactttctct ctggctacaa aaatagaagt gcgctttctt gacggcattg 300
agatatcaaa tgactcagtc tgatatccta aactccactc ctaaaacgtc tttcaccatc 360
40 tcatatgtca caaatgcaat cgcaatcgat ggtacaa 397

<210> 860

<211> 397

<212> DNA

45 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(397)

50 <223> n = A,T,C or G

<400> 860

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taattattga tgaacaacac aaaactcaca acataactca aggaaactaa ttaaagcacc 120
55 aatgtaaaaa tatatantnn ncgagaaagg caaaacaaaa acaaaagcata aagtggattt 180
gggatagatg aggaatagaa gcttaggtca tggaatcaac ggtgaggatg gtgctaagat 240
tcatgggatg catgtattca ggagagccat tgaggatttg ttgagctatg attctacttg 300
ctttttctga tgggtgaaaa ggatcccaaa aggcaaagag atctctgttt gggcaaagat 360
ttgataatgg agtgcatagc cctatcccat tgtacgg 397

60

5 <210> 861
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

15 <400> 861
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 gagagagacc gttaaaactt tcagaaactc ctactttctt gttgaacata aacttttctt 180
 tagccttctt aaaattctca aagtctccag ctttagtaga cacatcttta ctcaagatct 240
 20 nnnttcttag ttgtgcacaa gcacaatact tcacgtcgta cacatctacg tctttaaagg 300
 ttgtaattgt agtcctcact cctacattct cccaacaaag agactttata agtcaaagat 360
 actgaaataa aatttaattg aaaaagagat tacaaga 397

<210> 862
 25 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 30 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

<400> 862
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 ccagtttgag attctttcat tgaccagttt taaactgcac catagttcta gtttctaacc 120
 atatgcacaa gggactaata aagatcggat cgatatgatt tgacctaaat accccttgaa 180
 cccgggacat cgatccactc gagctgtagc tcaacctctc cacactccac gtgctggagt 240
 ctaaggaaca tattctggac aatcttgctt tggttcaaca caatgtggct tgattcnnnc 300
 40 aaacaatttt ttctgctcgg ctctatcttc tttattatgg tcccattagg aagtcctggg 360
 ccgagctgat gggcaaattt aatagcttca ataaatg 397

<210> 863
 <211> 397
 45 <212> DNA
 <213> Arabidopsis thaliana

<400> 863
 50 ggccgccctt tttttttttt tttgtataaa atcgatatca tttcttagta agaggcaaca 60
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 ttgctattct tttctctgta gttttctaag gactctatta aaacaagcaa actaaacgtg 180
 aacaaaagca aaccagagta ttaaggtagt gaattatatg atcggacaag gcgaggtctc 240
 ccagacatca aacacattct cctcgctatg caatgcaaaa aggcggctgc caccaatgga 300
 gaaatcacag attgagccac catagcttct tcttagccta gaagttaaga cccagtctgg 360
 55 tccacagaac acagagatag aatcattcat tgatgag 397

<210> 864
 <211> 397
 <212> DNA
 60 <213> Arabidopsis thaliana

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<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

10

<400> 864
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gaatctcccc ttgcatatc ggcagcaaat tgttgaattt atattacaaa attctgggca 120
gaaagacttc aactttaatc catcttttcg tgatcccttc accggcgcaa atgcttatgt 180
15 ncctgnnnaa gcatctcgta cagctgcaac tccggcaaaa cctttataca agcacattcc 240
aaaaagaggt gtgctagttt tcgatgctgc tcaatatgac gggattctga aaangatgac 300
agagttcaat actactttac gatctgacgc agtaacaat gacaagtccc tgaccgaact 360
cgaagtatcc agagtaggcg caatcggttaa tatactg 397

20

<210> 865
<211> 397
<212> DNA
<213> Arabidopsis thaliana

25

<400> 865
tttttttttg gaggtaaact ctatttttgga tcaacaaata tgaacaagag tagtagtttg 60
ttggggacag gacataactg aaacaaagtt ttcagacaca aatgtaagaa aaaatgaaat 120
ctttgaagaa gagactcagt aaacttcagc agcaaagttg gtagtgggaa gtctctgtcg 180
cttctcaatg taagccatag gaaaccaacc agctttgcct ttgcattctc cttcagccca 240
30 accggttttg ctcacctttc ggacaacgat gtaatctcct ttgtccaagt ctaactcttt 300
ctctgaagca gcggaaaatg gatgaatcac ttcagcaaga aagtatgacg ttttctctga 360
gccgttctct gttggaatcg caggaggagc agattct 397

35

<210> 866
<211> 397
<212> DNA
<213> Arabidopsis thaliana

40

<400> 866
tcgctcttcc cttttaattt tcatcccat tctctgaagg agatttctaa ttattctgtg 60
atctaaagtc tgaagctttg tttggttgca tctcgatgat gatgatgatg atggttgatt 120
gtaaatgggt agtttcggtt tggttgtagc agaagctaag tttgtcaagt taataagagt 180
atcttagttt tttttttggt aaatcgattt gtgggttcac catctacga tcgaaagttt 240
ccatctttga taatttgaga ttctggggat ttttactaga atttctagtt ttttttttgg 300
45 tttgttgatt tcgtagctag aagaaatcga tctaggtgtg tatatatata tctattcaat 360
cgaatttttag tgaatcgatt ggcgatcttg gtgagag 397

50

<210> 867
<211> 397
<212> DNA
<213> Arabidopsis thaliana

55

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

60

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cttctccgat tgggtcaatga caaaggtttt tgaaagtcca aaaaaaaaaa aagacataaa 120

5 ccagtcagac caaaacnnng aggaagagaa acaaacccta gagacgattc tctccgcaac 180
 tggttaaaaat ttcagttgca gagagattaa tataagacac tgaaattgaa agacaaactc 240
 ctaaaagaaa aagtcttctc tttgctttgt ttaagattcg gacaatttgc taatcgcac 300
 ccaatcaatc tccacagaag gaaacttctc cagcccgaaa ctcccaatct catcaaatcc 360
 agaatccgaa aagtccaaga acgtagtaat accagat 397

10 <210> 868
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 868
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 tctcaggccc tgatccattc aaatatgtat gtgcacaaca gtgtacgtgt atatatagtc 120
 tatagacatt taattcaatc ttaaagagga accatcatca cagcatagc cacagaaata 180
 20 ctccctcaaa atgctaattc cagactatat aaaccagcat tgtgtgacac agtatcccg 240
 aaacaaaaaac actgaatttc attcatgaat gtaacctacc tgcgatggct gcaacctgaa 300
 cctccatttg tgccgccctg actttagaac ccgtggctcg gtggaagaac tgttctctcg 360
 acaacaacct cacattcctc aaatactgat caaaggg 397

25 <210> 869
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 869
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 aaaatgggaa gagcaccgtg ttgtgataag gccaacgtga agaaagggcc ttggtctcct 120
 gaggaagacg ccaaaactcaa agattacatc gagaatagtg gcacaggagg caactggatt 180
 gctttgcctc agaaaattgg tttaaggaga tgtgggaaga gttgcaggct aagggtggctc 240
 35 aactatttga gaccaaactc caaacatggg ggcttctccg aggaagaaga caacatcatt 300
 tgtaacctct atgttactat tggtagcagg tgggtctataa ttgctgcaca attgccggga 360
 agaaccgaca acgatatcaa aaactattgg aacacga 397

40 <210> 870
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

50 <400> 870
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 tcttgttctt gtgttttttg tattagttat ctcctcctg ttatgcacaa accgctgctc 120
 tagctgttgt tcaagagaaa agtcagtgcc gcaaactcgg cttaagggtg tgacagataa 180
 ctacacacc ngtctctcct ctgaagttct tgctagtgcagggttaattct ctcaaacagc 240
 aaagctaggt gcacagggtg tgccctcatg ccggtccttt tcttttgaag atttaaagga 300
 55 agccacagac gattttgatt catcacgttt cttnnmtgaa ggctcccttg gaaagctata 360
 cagaggaaca ctggaaaatg gaagttccat agctatc 397

60 <210> 871
 <211> 397
 <212> DNA

5 <213> Arabidopsis thaliana

<400> 871

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10 atgcggaaaaa ggcagagctt gatgcttacc gagaaatgca tttcccaacg ttggcaaadc 180
taacaaaagac gaaaaaaatg ccatctccag acgatctgag gacagaagga ctttgtcctt 240
tatcacctga agaagccgtg cttatgcttg cgggtctggg ttttagtcgg aagacacgtg 300
ttttcgtcgc tgggtgcgaat atatatgggtg ggaataaacg gttagcagct ttaacgagtc 360
tctacccgaa tctagtcacc aaagagaatg tactctc 397

15

<210> 872

<211> 396

<212> DNA

<213> Arabidopsis thaliana

20

<400> 872

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gatcaaacc aattcaataa ccaaatgaac caaatctcat acttataatt gatatatatg 180
25 tcaagcaaaa aagcgggtag gaagatcaat gtgcgctaac gaggaaggag ttttggcaaa 240
ctccgcactc aatggtctct gatcctgaga ctggaacctg gacctgtaag tgcacagtgc 300
atgttgagca agctacttct ttcattccgc tccagatcc ttccctcaaa ccagacgaag 360
acttgcggtt tctctccatt tctcctgta actttc 396

30

<210> 873

<211> 396

<212> DNA

<213> Arabidopsis thaliana

35

<400> 873

cttttttttt ttttttgtaa aaaaataatt atcatatata acatagaaaa aagtaataca 60
actgtagtgt aatatgtttt tggtgattta acccaattat cttctaaaga atacaaattg 120
atggctaaat atatacgtgt aataattaaa ggatggccaa aattgagaag aagaacaatg 180
aaagtgagat agagagagaa taagcagcag aagtcgtcga cgtgtttggt ctttgagatg 240
40 gtatgtttgt cgctctctgg tcaaacgaag aagctggcgg tctagccgag gaggaggaac 300
ggttcagatg aagcgtccga gccgatgtct caccggtgta acaatcagat tctttccacc 360
ccagaatcag tttctcacga tcaaagacaa tgcgat 396

45

<210> 874

<211> 396

<212> DNA

<213> Arabidopsis thaliana

<400> 874

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acttgcttaa gcgttcgtta caagacgcaa accaacgaaa cagatcactt ccaaaaaacta 180
ctaagtcgtt acaacaacaa atttggtact cagaatccgg tttcataggc taaccggtat 240
ccactataca aataacacac tctgtacgag catagaaccg gattcgtttc tttcatatac 300
55 ggttcccaag aattcacatg gcaaagaacc atcctctagt tagccgctat gtcacctacg 360
acttcccggc ccgtttacgt ttgttcttgg tgagag 396

60

<210> 875

<211> 396

<212> DNA

5 <213> Arabidopsis thaliana

<400> 875

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ccccatataa actttccatc atagagggca acatgagaga tgatagcgca aagagaaccg      120
10 aagctgagtc catagagcaa cgcgaacatc acactcaaat agagcttgct gtaaccgttg      180
taagcgtcta gattgatatc gaaattcttc tcattgagga tacgggtaat gttataggtg      240
tgtccagtct gatcaaaggt gtgtgaagta tagaatggaa acttctgagc atcataagca      300
ttagtccagt agaagatagg tagaacaatg tataaaaaga tgaagaatcc tccaaagaaa      360
ttggcaatgg cgaagaatgg tacctcggcc gcgacc                                396
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15

<210> 876

<211> 396

<212> DNA

<213> Arabidopsis thaliana

20

<400> 876

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aaggtcagac ataatctctg ctggtgcgcc accaagtttc tgacagaagt tgtaaaaatc      180
25 ctcaaggtat gctttgtaga gggatttctt cataatctct atgttcatgt catcgagatc      240
ctctgatggt aggcattcag aaaagtatgg agccagagga gtgtccacaa gcaccaacct      300
atagagttcc cgcattgtct gagcaacagc tagtgtagca atactgtcaa acatgcctaa      360
agggtgacac ttctcgatca actcttgaac atctct                                396
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30

<210> 877

<211> 396

<212> DNA

<213> Arabidopsis thaliana

35

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

40

<400> 877

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catgacaaac tcatagaact cttcgaaaac tggatctcaa attttgagaa agcttatgaa      180
accgttgaag agaagtttct taggttcgaa gttttcaagg ataatctaaa gcacatcgat      240
45 gagactaaca agaaagggaa aagctactgg ctcgggctca acgagtttgc ggatttgagc      300
catgnnnagt tcaagaaaat gtatttaggg ctcaagactg atatagttag acgcgatgaa      360
gaaagatctt acgcagagtt cgcttacagg gacgtc                                396
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50

<210> 878

<211> 396

<212> DNA

<213> Arabidopsis thaliana

55

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 878

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 ttatagtaat atttttatga aatgtgtaaa ttcatacttt agtacaatcc agttcctagc 180
 aaatccaaat cttgaaattt gggattagta taaaatggga gttattctct gttctcctgt 240
 taagtgggac tctagtagac gatgacatgg tatcatatct tatactacac atataaaata 300
 10 gaaatgatat taaaaatggg agggaaacaaa gnnggtcacg ttatgcatga atgtagtcaa 360
 acgaacaact ctttaagttt tttttttctt gacaac 396

<210> 879

<211> 396

15 <212> DNA

<213> Arabidopsis thaliana

<400> 879

ggcgattggc cgtcgcggcg aaacgtggtg gcttgtgccg gcgtttgtcg tagctggagg 60
 20 attctcacca aggagattgt agctgttccct gaattctcct ctaaattgac tttccctatc 120
 tccctcaagc agtctgggtcc aagagattct ctagtccaat gctttataaa acgtaatcga 180
 aatactcaat cgtatcatct ctatctcgga ttaactacct ctttgacgga taacgggaag 240
 tttcttcttg ctgcttctaa gctgaagcgc gcaacttgca ctgattacat catctctttg 300
 cgttcagacg atatctcaaa gagaagcaac gcgtatcttg ggagaatgag atcgaacttc 360
 25 cttggaacaa aattcacggt ctttgatggt agtcag 396

<210> 880

<211> 396

<212> DNA

30 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(396)

35 <223> n = A,T,C or G

<400> 880

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 40 tatactcaac gtcacaattt ggattagatg agcgatttgg tgatggcgac acttctcaag 180
 ctgcttttga tcttgatgag gcagtattcc aggacaagga tggtattgga tccgacgatg 240
 agggagttcc aggtattgat cacaatgcgt atctggatgc gnnagcaccg gggataaagg 300
 attcgatgga aggagtctct gaagccatgc ccatggattt taatgaagag caggttgaag 360
 atcttgctat gaataatgag ttcacgaag atgctc 396

45

<210> 881

<211> 396

<212> DNA

<213> Arabidopsis thaliana

50

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

55

<400> 881

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 tgcttcacta gccccaggaa aaatggggcg aagagacaac aactcagcca taatagctcc 180
 60 catcgcccac atatcaactt tcgatgtgta tacatatgac tgtagaagta cttcaggagc 240

5	cctgtaccag cgtgtagaaa catactcggg aaaaggtgga ctcgaattaa cctcacgtgc	300
	cannncaaaa tcagcaatct taatgatgtc tttagagact aacagatttt ctggcttaag	360
	atcgcggtgg aagtacctgc ccgggcggcc gctcga	396

<210> 882

10 <211> 396

<212> DNA

<213> Arabidopsis thaliana

<400> 882

15	tcgagcggcc gcccgggcag gtacaagcca cactttttaag ttcttctaca tatattagat	60
	ggtggtgagg atgagactag gaaagattgt ggaagacttg aagtcgaaga taaagactgg	120
	tctaaggatg cggaagagat catcattatc atcaccatca tattcatctt catcatcatc	180
	atcatcatca tcatcatcgt atgagaagat agagaagagt gagagtatga gatttgagtt	240
	gagaagcaga aaggctcaca aaattatcca agaaaccctt caaattgctg actctcccac	300
20	ttcaagaact tatgctttct gatttcatct ttttaacatc caaaacatat tcatacatat	360
	acatacataa ggattttacgt gtacctcggc cgcgac	396

<210> 883

<211> 396

25 <212> DNA

<213> Arabidopsis thaliana

<400> 883

30	gacagagagc aaaaccagtc tccgacacac ttatacatca atgaccacaca tgtcgggaagc	60
	agagcatttt tcatgtgaac taaagaaaga aggtagtttag taacaactct gatgacataa	120
	gagagacaca cccgaaattt caatccactc cctttctctt ttcgtgaagc tgactacgta	180
	acttgttagta gtgcatgctt agctattctt tgaaagggtta aaatcttctt ctccggtttt	240
	tactaatcgg attttattcc tccgttatgc ttgttgctct tcttcgacga ctcttgatc	300
	tgctcaagaa gcttcttttg gaatctgtaa cccttgtcag ttccataaat gtaatcacag	360
35	tacgtgaaca ctgaagcgaa gttgctttga ctttgt	396

<210> 884

<211> 396

<212> DNA

40 <213> Arabidopsis thaliana

<400> 884

45	cctctagagc ggccgccctt tttttttttt tttttttttt tttttgagaa aatattattc	60
	tctaaatcat tgaggagatg agtttgaata caaacctaga aaggtagaga gcattgtaca	120
	aagctatcaa gtcaacaaat aacaacttag aagaagttga ccaaaaaaaa aaaaaaaaca	180
	aaaaaaacaa caacttagaa gaacagccac actcatcgtc tctcatattc agactttaat	240
	catgtggctt ctttttcagg atctgatctg tgaaccggat ctctgatatc tcgtccctt	300
	gagatgatgc ttcttgatg ctctctggtt gtgtaaagat ccggtgacag gcactggagg	360
	taggttgatg actcggcctt gcacgaaatt ccgggg	396

50

<210> 885

<211> 396

<212> DNA

<213> Arabidopsis thaliana

55

<400> 885

60	acgtcgcgatg cagcgcgtacg taagcttgga tcctctagag cggccgccct tttttttttt	60
	tttttttttt ttttttttaa gaaagaaaag gtgtctctat cggattaaac catctcaa	120
	gttcataaac ttctcattgg atcataattg taccactaca acaacctcgg tgtctgacac	180
	tgtgagctcc aacaacagtc ttaaaacata gacatatccg gaggagctcc atacatactc	240

5 ttccatgaat acggtatctg ccatttccca ccttcttccc catggaactt gtcaggagtc 300
 agaccataa gcttagatga agcctcagct agaagaaatg cttcaggaat gttgtctcct 360
 tcagaacagt aacatagcag gcatgtcatc ttcaag 396

<210> 886

10 <211> 396

<212> DNA

<213> Arabidopsis thaliana

<220>

15 <221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 886

20 tttttttttt taaaatgtgc agtagatata ttaaagaggg aagctcctaa tagcaaatca 60
 cacggtgggt ttaagactaa ccacaaaaga caacatacat aaacttctag aaaacaacaa 120
 catttagaga taatgaagca aagtctcacc tatgcttcag atttgatggg agcacttgca 180
 ttttgcgcac tgcggaagaa gaagcattac tctcaagaag ccattccctt gcgcaaatca 240
 gagcctccac tgtctcgggc ctcaagtgcg tcttgtactc atccatttcc ctcggttcca 300
 25 tgtcaaaagac atagtcaaag gctgcagctg aaaccgggat tgnnnggatg tctctagcca 360
 tctttgacaa ggtcgggtac ttgagcttgt tctgtt 396

<210> 887

<211> 396

30 <212> DNA

<213> Arabidopsis thaliana

<400> 887

35 ttggatcctc tagagcggcc gccctttttt tttttttttt tttttttttt ttttttctgg 60
 agttatattt attttataag aaaaatacaa cccaagatca agagtaaagc ttttacactt 120
 gccaaacgga agaatcctaa accaagtgat tcagaaatct ctatgagttc cctatgggta 180
 ccaaaaaaaaa acaattgaga gtttaagcag caggaggcct gagttcttga tcacgagatg 240
 tgtcacgaac ggattgaggc atataatgcc acattggcat gtaaccgtaa cttggataaa 300
 cagccatttt gttgtgggta aatgcagctg gaatatgagg tatgaaccct gaagatggag 360
 40 ccgtcataga ctttaactgt tgttctgtct tctctt 396

<210> 888

<211> 396

<212> DNA

45 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(396)

50 <223> n = A,T,C or G

<400> 888

55 ggatcctcta gagcggccgc cctttttttt tttttttttt tttttttttt ttttttttga 60
 taggtaacca aaattaatta aggtattttt cttccaaatt aaataactaga ggtattaaac 120
 gtccaaatta aaaataaatg gcggtttttt actctaccat atatcaatcc cttccccatc 180
 cccttttttt actctctctc atctccctct ctttctatat atagatgata aatatacttc 240
 tgtctatatc tacagctcaa atcataacag aggaacagct ccaatccaac aatgggtgatt 300
 ttgatgtggg gacacatgct gtatatgtaa atgtgtgtag nnnaggaggc agggctatat 360
 agcgagtcgt gtctttatcg gcttgagttt caaccc 396

60

5 <210> 889
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 889
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 ttgccaatca tcttcatact caactgcttc ttcaactaag caagtggaag tttctgggtc 120
 ttctcctcga gtttctgttg aaccacggac tcaatcatct tgtgcagggt tcatgcctct 180
 tcctcgaaac ccgaatttcc ctgatctgtt accccacaac accagactgt ggagtcattc 240
 15 tcatcatcag tttcagggtga ataagaagca gccattggag gatgagggtta acaatcaagg 300
 tgtatctgag aagaagtcgt aattggggagc tggagagaaa caaggaaagt cttttaattc 360
 cgaaagcttt caagagttaa tagagttgat ggagac 396

<210> 890
 20 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

<400> 890
 25 cactctaggt ctgactctca gatcctcctc ctctcttctt cttccattca cctgcaactc 60
 ccgcttctgc tctcctcctc ctctcttctt gtcctttaga ctctacaaac gattccattt 120
 ccttaaacca tgctcttccc taaagcaaac caagaagaag aagcaacagt ctctcccatc 180
 taccgctccg cctcctcaga gtctccgggtg gttcttcaat tctaaatcca ctaatgatga 240
 aaacgacgaa gatgatgtta agtctgagag cgatgatgat ggcggtatcg aaggtgatgc 300
 30 tgctattaag ggtactatct tagccggagt tttgttgatt ggtacagttg gtggattcgc 360
 cggcggttga tatgtctaca gggatcagat caatac 396

<210> 891
 <211> 396
 35 <212> DNA
 <213> Arabidopsis thaliana

<400> 891
 atggattcca atttctctcg ccatggttct tcctccgaag gtgatttttg tttcgctttc 60
 40 aatgacagta acttctccga tcgtttgctc cggatcgaga tcttgggttg gccttcggat 120
 tctaggtctg atgctgaagg atgtacgagt attgccgatt gggctcgtca tcgcaagagg 180
 agaagagagg acaacaagaa ggacaatggt gttgcgattt cagacattgt ggcattgtgc 240
 gaagaacaga ttttaaccga taacaaccaa cctgatattg atgatgctcc tgggtggtgat 300
 aatcttgacg atgaaggaga ggcaatggtt gaagaggcct tatcagggtga tgatgatgca 360
 45 tctagtgagc caaactgggg tattgattgt tctact 396

<210> 892
 <211> 396
 <212> DNA
 50 <213> Arabidopsis thaliana

<400> 892
 cctatctact gcttcttctt cgttttctgc ttctttatca aggaatgctg ttttaattgga 60
 atcaacaatg gagaatttga cggaaataga atcaacgatg gagagtttaa cggaaatgga 120
 55 gagtgagaga gttgaacagg gtaccgataa ggaaattgga agtggagaga aaaggcagga 180
 tgatgtaaag gaaacggaga atgagaattc tggagagaga gtaggagagg aagctcctgt 240
 cagggaacat gaagattctc catgtctcat tgttattgaa gaaggtactt ccctagcttc 300
 ccttgaggag gtgaccaatg ctgatgatct gccgaagatt gatgatgaga agaattccca 360
 atttgaaaca agcccgcac ccaagtcctc tccttc 396

60

5 <210> 893
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 893
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 ctccccgaat ttaaagatca gagecgcgac ttctctgcc ttcttttctt cggaattttt 120
 cagctacgtt ttccaggtgg tgtgtattgt caatcagttg accttgctt ttgtagccag 180
 atcggttcgtg ctttgagttt agggctcttt tacaaggttt cgtgttggtg gaatttctct 240
 15 acctaggttt gggggaagag ttcagtaatt tcggtgtaga tcgtgatttg ggcttttagg 300
 gtttcggttt actggttgct ggaatttatg gtagcgttat tgaattcgga ctctctgcat 360
 gtgtaagcgt tgaagtttga agtttcaccg ggtttt 396

<210> 894
 20 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

<400> 894
 25 ctcttcatta cgctagtgac gattctcact gtggttcatg tacctatatt gacaccgagt 60
 tcagagagag agacagaatg gaatttgaag tagagtcaag tggggatttt cagacccta 120
 agagcggttt gtttgacaga ttttccagtg agaggagtgt tgtgtctaac ctttccagaa 180
 atggtggcat gtctatatct gtgcatagca atgaacagtg gattggggat gatgatcttt 240
 cacattcaga cgctgcactc ggtaatgaga catattcaaa tagtctgggt caattgcaag 300
 30 ctagggaagt gaacattccc aacttcccg tttctgacac ccagtatcag cttatgtctt 360
 tggatgagcg acttcttctg gaactacaga gcattg 396

<210> 895
 <211> 395
 35 <212> DNA
 <213> Arabidopsis thaliana

<400> 895
 40 tttttttttt tttttttttt tttttttttt tttttattcc aatttggttag tttttattca 60
 atccatttgt ttctttttcc atttcggaaa gctcaatgat ttccagtaac aatgaaacca 120
 aaaaaaaaaa aatggaaaac agagcaagca agaaacagag tatataaggg ggattcaact 180
 gaattaagct tccaaccac gcaactgggt ggctcgagcg actcgggtta ctccaagagt 240
 gaaagctccc atacggaggt tgcaagaatg agtatggcac attgtcttga tgttgtgaaa 300
 ggctcgagtc atgtattttt gcagctccaa gttcactttt tctcttctcc acatgaatcc 360
 45 ttgaatgttc tgcaccact cgaagtaact cactg 395

<210> 896
 <211> 395
 <212> DNA
 50 <213> Arabidopsis thaliana

<400> 896
 tttttttttt ttttttaacc aattggagta tttgatttag atttacagtt tcattttatg 60
 ctacaaataa aaaagggtaa tggagaact aaatgaatcc aacatgacat ttttacagcg 120
 55 acattcacaa agaaagctct tctagattgc tgcctcttg agaacaattc tggagagctc 180
 ttgagagact agcttcatat cgggtctctc tgggtctggt gagatacagc tcagagcaac 240
 ctgcaagaca tcagtaagaa ccccaaaggg attccttgag ccctgtgatc caacaatcga 300
 tggatcaaaa cactcagttg cacggttttg tcccacaagc agtagaacc attcagtgag 360
 ttcaacgaca cctggatcac tgcacactat atctc 395

60

5 <210> 897
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

15 <400> 897
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 tatannncca tactgcatgg tatcggaag atcatcttat acaaattaca gaccctaaat 180
 ctctgctccg agtctgagcc acaccgacca gaaccgagca aaacagtgga catgacatgc 240
 20 cggatcact tggaccaagc aacagcatcg atctcggaatt gggctgctcg atacaattct 300
 agcngctttg agatggcact gcgtctctcc atgattgctg gatcttcgtt caatagcgac 360
 gagagcctct tcatatccat ggtaccgagc tccgc 395

25 <210> 898
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 898
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 tgggacaagg agtcgggaga aaagttaaaa gttttgaact ttgatccca agtatcataa 120
 tgggttctaag tgtgagaact ttcgtgcgtt tcatgcaact cagtaatcga atccaagaat 180
 tgagcattcc atttcacact tgatatggga catgcatgat caccgagctc tctagatgtc 240
 cacgatgatt gtttataacc tgagtaatca atgtagcaac tggattcgaa ccatcaggcg 300
 35 tgttggtgga attgataatc ttcttccgca tgtccaagac gagatgagac atttgactcc 360
 acacatgttc ccatcgcttc gacacaacac tcgtc 395

40 <210> 899
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

45 <400> 899
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 cagctgggtt gactgcaact gtggcaaaaag aaccggaaac tggatgaattc tgcatgagg 120
 ctggtgcttt aatgcttgct gacaatggaa tatgttgcat tgacgagttt gacaagatgg 180
 atatcaaaga tcaggttgct attcatgaag caatggagca gcagacgata agcattacaa 240
 aagctggtat acaagcaacc ttgaatgcta ggacatcaat tcttgacgca gctaattctg 300
 ttggtgggag atatgataaa tctaaaccac ttaagtataa cgtaattctt ccacctgcca 360
 50 ttctttcgag gtttgatctt gtgtacctcg gccgc 395

55 <210> 900
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

60 <220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

5

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<400> 900
ccggtgggtga cctaatacgat tggctctgca agttgggtgca acctccttat attgattcaa      60
tcgaatgggtc aaaatggcan gtcttttggg tcgatgagag ggtttgtgca tgggaagatc      120
cagacagtaa ctacaaactc gccatggagg gttttctctc taaggttccg attccggata      180
10 agaacatcta cgcaatcgac aagcacttgg cggtgatgg taacgccgag cactgcgcga      240
cgctctacga ggagtgtcta aagaatctgg tgaaagaaaa gattatccca atatcgaaaa      300
agacagggtta tcctgagttt gatctacaac ttctagggat gggctctgat ggccacatgg      360
cgtctctctt cccaaacat ccacagataa atgag                                     395
```

15

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<210> 901
<211> 395
<212> DNA
<213> Arabidopsis thaliana
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20

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gatatctggt tggctcggaga tggagatgat cggaggagac gatacagata cagagatgta      120
cggagctcta gtgacggcac agtccttaag gttgcgtcat cttcaccact gcagagagaa      180
ccagtgtacc tctgttctcg tcaaatacat tcaagctcct gttcatcttg tttgggtcact      240
25 ggtgcggaga tttgatcagc cgcagaaata caaaccattt ataagcagat gcactgtaaa      300
tggtgatcct gagatcgggt gtctcagaga agtaaatgtc aaatctggtc ttccagcaac      360
caccagtacc tcggccgcga cgggcgcgcc ggatc                                     395
```

30

```
<210> 902
<211> 395
<212> DNA
<213> Arabidopsis thaliana
```

35

```
<400> 902
aacggatact tcaacaaga taaaaagggt taaaaaggaa gatgtcacag cactaaagcc      60
cactataatg acagctgttc cagccattct tgatcgtgtc agggatgggtg tccgcaaaaa      120
ggttgatgca aagggcggat tgtcaaaaga attgtttgac tttgcatatg ctcggcgatt      180
atctgcaatc aatggaagtt ggtttggagc ctggggattg gaaaagcttt tgtgggatgt      240
gcttgtgttc aggaaaatcc gtgcagtttt gggagggtcaa atccgctatt tgctctctgg      300
40 tggtgccccct ctttctgggt acactcagag attcattaac atctgcgttg gggctccaat      360
cggtcagggg tatgggctca cagagacttg tgctg                                     395
```

45

```
<210> 903
<211> 395
<212> DNA
<213> Arabidopsis thaliana
```

50

```
<400> 903
caatctcgat gaagcgggtga tgacagggaa cacaccaaac gaagtgccaa cactagaatc      60
agcatcaatg gagataagggt tacttccttt accaaacatg atagacaaac aaatgtcatc      120
actgttagag gaaagaccat cacagaagaa gaaaggaaaa gacgccacgg aatcattgtc      180
gagctgcttc gtgggtttat actcgatcaa atcagtgaac aaggcacgat gggatgttat      240
tataggtgta gtggctctga tagcaatgtt gttttatcta gaataagagg cttatggaag      300
tagcgaaaaa cagtgtccta gctatgtttg tatcatcttt tctcggacat tgacaaggat      360
55 tatatgatgt ttttgtgtaa aaaaaaaaaa aaaaaa                                     395
```

60

```
<210> 904
<211> 395
<212> DNA
<213> Arabidopsis thaliana
```

5
 <220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

10
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 gccngtgcgg cggttgtcgc tttatgtgct gcctcacgac atgtagaaga aacgtttccg 120
 tggttggaaa tgatgtgagg aggaggacca agacagtcgt ggctgtgagt caacacgatg 180
 15 tttgttgttg catcacatcg ttcaaagact ccgagaaccg tcaagtgacc ctgtgttgtt 240
 ccttagtact tttgcttcca ttctgttaat aatgatcttt aaatgcaata gaaacaattt 300
 catatgtata tttcaagtct aaacggttctt ccgtgaaacc ttgtgtttct atgcgagaac 360
 ttaacattgt cgatattgtt atgttatttc atagt 395

20
 <210> 905
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

25
 <220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

30
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 caaggggacg gatgcagtgg aaattctgga agggagatct tttaaactta aatatccgtg 180
 ggttggtgtc gtcaaccgtt cccaagcaga tattaacaag aatgtcgaca tgattgcggc 240
 35 tcggaagaa gagagggagt acttttccaa tactactgag tataggcacc ttgctaataa 300
 aatgggttcc gagcatnnng caaagatgct ctccaagcat ctagaacgtg tgatcaagtc 360
 gagaattcct ggcattcagt cacttattaa caaaa 395

40
 <210> 906
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

45
 <400> 906
 gaaagaggat cacaccaatc tagatgatgc gtgtgctctt catttgcgtg ttgcatattg 60
 caatgtgaag accgcaacag atctttttaa acttgatctt gccgatgtca accataggaa 120
 tccgagggga tatacggtgc ttcatgttgc tgcgatgcgg aaggagccac aattgatact 180
 atctctattg gaaaaagggt caagtgcac agaaagcaact ttggaaggta gaaccgcact 240
 catgatcgca aaacaagcca ctatggcggg tgaatgtaat aatatcccg agcaatgcaa 300
 50 gcatttcttc aaaggccgac tatgtgtaga aatactagag caagaagaca aacgagaacc 360
 aattcctaga gatgttcttc cctcttttgc agtgg 395

55
 <210> 907
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

60
 <400> 907
 atttgtaaca tttagggttaa agaaagattt aaatgtcaac ttattaaata tgtatattgg 60
 aaaaaacca aactatagtc taatagtggg agggaaaatc caggcatagc ttatatggta 120

5 catcccaaag accaaaccag atttccaact tccatgtcaa agaaaccaac aaggagaaac 180
aaaggaaact gtttaacttg atgatattag ttcttcgagt attcggacga atgaatcgga 240
gaataccctt ctggcagttg ctgctgcgac tgtgctggtt gcgatgggtg ctcaagcttca 300
acctttctctt ttgttttctg tccaacctct ccagctgctt gagccactct attgaatgct 360
cctgcggccc agctcacacc agttaacacg taacg 395

10 <210> 908
<211> 395
<212> DNA
<213> Arabidopsis thaliana

15 <400> 908
tttgatagaa catgttttaga aggtaacggg tgtgtaaacc acacattcag caattgtaca 60
tagaaagaaa gactaaaata gaacgagaga gataaaatga gtctctatcc ccctcaagta 120
aaaatcagtc atctcaccca caagcatcca aaagataata acgtagggca gatgcagaga 180
20 caaaacacac aaatttgctc tcaagagttt catctttctt cattctctcg aaacttttca 240
cctgaagtag atagagacga gaggaatata gacgtcattg tcatcttcat cctcacaagc 300
caccactaca tcaagatggt tgcgataagg cggtaactcg actttcgcaa catcccgagc 360
gagatccaca accttcttgt ccatcctctc cttgt 395

25 <210> 909
<211> 395
<212> DNA
<213> Arabidopsis thaliana

30 <400> 909
cttttttttt tttttttttt ttttttagta aattgccaaag tacaagtatc gtccaaatat 60
tggtttgcaa gaattagtgt cagtaccagc aatagcaaca ttgcagattg tcgaacatgc 120
atacatatat gtataatata tatagcctat acaaaacaaa tttcaagaag tacaatctaa 180
gaagaaacat atagtatgag aatatagaaa tcacaaaaac aaaaacaaaa aaaaggtagc 240
35 acaacgaact gaatgaagat attctcagag atcttgggaa gcacagagcg cagtcgataa 300
cgccgggaag aaatgttcca gacttattta ccgcagttga atccccaca aattgagagg 360
atgatgatga gaatcaaggc aatgataatt gcaag 395

40 <210> 910
<211> 395
<212> DNA
<213> Arabidopsis thaliana

45 <220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

50 <400> 910
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tttattttcc tgaatagctt aagagaaatt tgatcttcgt cttcgtcact acgtccccag 120
ctctcgagct ttgttcactc gatttcctct atacatttcc ttaaaaaccca aaattcttaa 180
gcctaatacca aaggagaaaa aaacagagca tttttcttct tctccaattt aaacagtttc 240
ctaataatct cactttgtct actcgattct cccaactcca atttgactca tcggaatcat 300
55 gccattatca atgaatcctc cgacnaatcc nncaccattg ttccgttgca tctccgcat 360
gtaactcctc acttccgcct taatcatctc ttgca 395

60 <210> 911
<211> 395
<212> DNA

5 <213> Arabidopsis thaliana

<400> 911

tatagtgtag gaaaaagaat gtcaaataga aggaagaaga acgtaatgtt actctctttt 60
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10 tctgggttcct ttcttcatcg atatctatcg caaggacacg gtctgggtct gagccgcttg 180
gcccttccgc gtaaagagtt ggaagatagg ccttatacgc cggcaaatac cgcgacacaa 240
agtcattcac ctctcatcc gacatcccag cttggccatc ctgcctcatg gcgatttccg 300
cctgaagacg ccaccggtat acataacttg ggtcctggat tttgatgacg acccaagcat 360
cgatgtactt gtcccatgcg tcgtaatacg ctcca 395

15

<210> 912

<211> 395

<212> DNA

<213> Arabidopsis thaliana

20

<400> 912

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taacaccatg tacttggtaa gcaataaaa gagcgatagg aaacaagaat ccagaatact 120
aatacatcat cgtaaaaatc taaacttgaa ttaggtaaat aaaagcttaa gcacgttctc 180
25 cacgaattct tctagccaat tgaatgtcct taggcattgat cgtaaccctc ttggcgtgaa 240
tagcgagag attagtatcc tcgaaaagtc caactaggta tgcctcagcc gcctcttgaa 300
gagctaacac cgcgtgactc tgaaacctca gatccgtctt gaagtcctga gctatttccc 360
gaacgagacg ctggaaggga agcttgcgga tcaac 395

30

<210> 913

<211> 395

<212> DNA

<213> Arabidopsis thaliana

35

<400> 913

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tctaagttaa atcatctttt aaaccaccaa aattcaccca atgacacgaa aacatttcta 120
gcacaaagaa aatcaaattc tctctgaga tccaatccaa ttccaagcta ttagtccctc 180
atgatccgag tgtagaacat gtcctaataag catctacgcc aaaagcgcaa cttcagaagg 240
40 gttttgactc ctctgctttc actatttcgg tcctaagcct aaaacggaca tactaatccg 300
actgatactc aaccggatca accgggctga gacaaaaatt tcttgaagtc gaggccttat 360
tggagagctt tccttcttct tctacaattc aaatg 395

45

<210> 914

<211> 395

<212> DNA

<213> Arabidopsis thaliana

50

<220>

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<222> (1)...(395)

<223> n = A,T,C or G

55

<400> 914

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cgcttggttaa gaacaaacaa acaaacgaaa ggacaaaaaa agaaaaataa atctcacaga 120
atatatttgt ttgtgtatgt ttgcctagga atgatgactg gtgcttccat cttcttgatg 180
gttgtgatga tgatctccgt cacggttttg ctggttggtg ttatggttcc ccgtctccgc 240
caccggtcgg taagcagcat tcaacgcgcg taaaactcca taatggctat gttctccacn 300

5 nnnncctcct cctcctccat aaccagaagc caaaggctgt ccagaaaaca aagcaatagg 360
agctgcaaaa ttcatacaat gaactccact accgc 395

<210> 915

<211> 395

10 <212> DNA

<213> Arabidopsis thaliana

<400> 915

15 ttttaacttgt aaatcatatc aatataacca ttaaacaacca ccaccaatth taaatatggg 60
taggcttcag atatctgact ataataatat agagcatatg agcgtatatt aataatacaa 120
ggcaaaaaca aaacatataa gccaaaagga tttacggacc gaagactttt ttccccaggc 180
tacttaggta cccgtttctt tgcataacca tttacctgtt tgctgctgta agcgagccag 240
aaaggcgtgt atctttcaag caccgcgaag tcaccagatg tttgtttgga gccgtgaaca 300
gcatggaacc aagccggtga atttgcaaaa gagtttataa acccgttgca tccaagtttt 360
20 gtctttctca cctcagcca ttgtaaggat gtttt 395

<210> 916

<211> 395

<212> DNA

25 <213> Arabidopsis thaliana

<400> 916

30 tcgagcggcc gcccgggcag gtatttggtg aagtcacgag aatcaacgat gacggcgacg 60
aacaagcaag tcatattgaa agactacgtg agtggtttcc ctacggaatc cgatttcgat 120
ttcactacca ccaccgtcga acttaggggt cgggaaggta ctaactctgt tctagtgaag 180
aatctctact tgtcatgcga tctttacatg agaattcgca tggggaaacc tgatccttcc 240
actgctgctc ttgctcaagc ttacactccc ggccagccaa tccaagggtg tggagtgtct 300
agaataatag aatctggaca tccagattac aagaaaggag acttactctg gggatatagt 360
gcatggggagg agtacctcgg ccgcgaccgg cgcgc 395

35

<210> 917

<211> 395

<212> DNA

<213> Arabidopsis thaliana

40

<400> 917

45 acaagtgcga atttcgaacg gagctacgat tccatggcga ccaacggaga gaagggtcacg 60
gctacgggtg tgaatggcgg agggctatct actggtgaaa accctaagaa aattgtagac 120
ctcaacacta cggagttaga tctactgac gacattctcg acggagaagt caagggattt 180
tcagattctg gtgaaaagaa ggaagaaacc gactctaatt gtattggatc gacggctggg 240
gttgattctg gggatatctc tccggtcgat gatattccaga agaagattcg acgtgctgag 300
aggtttggtg tttcgggtgaa attgaccgaa gaggagaagc gcaattctcg tgctgagagg 360
tttgggtactg tagctgcagc agtggtgaat ggctc 395

50

<210> 918

<211> 395

<212> DNA

<213> Arabidopsis thaliana

55

<400> 918

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acaaaagcaa agatgaaatg aaataaaact tggtagctta tataagaatc tcattacaat 120
ttcaagtaat acgaaggatg atgtgaagct tagtactcag tttttggaga aggtgagtat 180
gatggtgggt gtggagaact gtagacatat ggtggtggag gagatttgta gtcaacctta 240
60 ggggaagggt agtagtatgg tgggtggagga gatttgtagt caaccttagg ggaagggtgag 300

5 tagtatggtg gtggtggtga actatagacg tatggtggtg gtggagattt gtaatctacc 360
 ttaggggcag gtgagtagta tggtcggacg cgtgg 395

<210> 919
 <211> 395
 10 <212> DNA
 <213> Arabidopsis thaliana

<400> 919
 15 taaaaattcag agttttcatt tcacaagcat tttccatcga agacaaacag taacaaaaag 60
 taaaaaaggg taaaacacaa tcaccgtaaa aaaagcaatt actggcaaag ttgttcgacg 120
 gcagtgcgca tctgagctgg ctgaacaacc gtccattctt ccaatgtacc ggcgtaagga 180
 gttgggacat cctgagaaga caaacacatc accggagcat ctaagtaatc atgaaagttc 240
 tcgtttattg cagccgtcaa actggctcgg attcctcccg ttctcataca ttcctccaca 300
 atcaaaaccc ggtgtgtctt cttcacccgag tttccaattg tgtagagatc aaacggcttc 360
 20 aacgacctta tgcgataac ctctggatca taccc 395

<210> 920
 <211> 395
 <212> DNA
 25 <213> Arabidopsis thaliana

<400> 920
 30 agcggccgcc cttttttttt tttttttcgg gggtttaaca tcagataaag ctacattaca 60
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 ttacactcgt agatttcaca acaacacatc ttctattgag aagattcttt ttcaatgtct 180
 ggtataggga agttttacta gcttgttcca tactcaagta attcccacct gaatggctga 240
 aagacatata gcacttcggg gcaactcttg aacaaaagag cgacacaaac gcaaaccgct 300
 gctatcgcta ccatcgaaag cattgctggc ctgtaggcaa cagacttggtg gtgcgttggtg 360
 acaaacacac gtttgtgatc acagagctta cattg 395

<210> 921
 <211> 395
 <212> DNA
 35 <213> Arabidopsis thaliana

<400> 921
 40 tttttttttt agagcaaaga tgatttgact aaaataacta aaatcacata acaattaacg 60
 aaaacaactt agagaagaaa aacacatata taaaaccaga atccatgaag agaaagatcc 120
 acaacataac ataccaaagc attaatatat ataaatgcct aagtcaagta aggtgatgca 180
 45 acggcataaa gaggggaactc gcggtgaacc gaaaaaccgc tggattcagc gacatcagtt 240
 ttgtcttctt tagattcctc cggtagtctt caatcaaacc catgcactaa gtttagccaaa 300
 accacctcat tcaataccac agcgaatgat actgctggac aaatccttct ccctgctcca 360
 aatggaagca gctcaaagtt ttgacctcgg aaatc 395

<210> 922
 <211> 395
 <212> DNA
 50 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

60 <400> 922

5 acatttcgta gtaattatta tgttttttgggt gtcagcagag tttgatttta taacgaaatt 60
 gggcaacccc tacatatact gtatctttct tatgacttat gagatcaaata tacagaagaa 120
 aacgtcaatt gctcacacat tgttttatgt ttgctgcctt ttgttttcat gcaacgcaaa 180
 agaagatgtg atcacatctg agcaaccagt tcctctcttc cctgagcagc aacagtcaca 240
 gtagcatctt cgataagtga attctccatc catcgcttca gcattttcaa tgcagcttta 300
 10 ggctgggtcca ttggaacnat gtgtcctgca tctctcannt tgaggaaact gagttgttca 360
 taagtcttta acaagcctgc ttcttttgcca tccac 395

<210> 923

<211> 395

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1)...(395)

<223> n = A,T,C or G

<400> 923

25 tttttttttt tttttttttt tttttttttt tttttaatag aaaatttctt ttgaagtcta 60
 taaccaaaaa aaatgataaa ttaaaagaag aaaaaagata agaaaaaaaa aaaaaaaaaa 120
 gagttctaaa cgttacaaaa agtttgagca aacatcatct cgcttcttta actcatttaa 180
 agagaaaaga tggattctct ctctctcttc atgatgtctt tttggaccat aaagttttca 240
 ccggtgtgaa acttaccgcg gacccgggtt cctgactgga acattgtcct catcatcaga 300
 ttggatatct ccgtactccc agattccggg cctngatttg cgagcttcgt cttggaactt 360
 30 ctcaagagca tcaagagcgg cttgcttgct ttttg 395

<210> 924

<211> 395

<212> DNA

35 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(395)

40 <223> n = A,T,C or G

<400> 924

45 tctagagcgg ccgccctttt tttttttttt tctaaaatat tacttgtatt atacctccca 60
 accaataaat gtatataata tagacaaaca atgaaacaaa caccaccaac acaaaaaaag 120
 taccactttt agagttcttt tagactaaac atagatcaca aactgggtac ggagattgag 180
 attgatatcg gaactgagac atccgttgta aaaccaccgt ctctattccc atttgtattc 240
 cctacaaacc cgtaaacgcc agaccgcac gctgcatttt cccgcctctg aaaaaccgga 300
 gcaagcgann ngctttccgt ctagcccgct ttgtccccgt aaacaaaagc gtctgtagca 360
 accccgcaat cgcaggtgct ctcaacactt tctcc 395

50

<210> 925

<211> 395

<212> DNA

<213> Arabidopsis thaliana

55

<400> 925

ggccgcgcgg ccgcgggataa tacattgaac attcattctt atgagcaaga atttggactt 60
 tcgtatatac aaattaatgt acataatcta ttgttgcat ttagtaact ctcaggaaca 120
 agcaataact ggatctcctg gatgatttaa acaagaccaa gcttggtgtg ttacggagca 180
 60 tcacaaaatg gtctattacc actagagctt aagagacctc tataaaccag ttattttctg 240

5 tctcagagag aggaagaatg tctaaacagt atgtgccatg gcttgtgtca tccgctttaa 300
 ctccagcgtc catgaatgtt tttacgttgt tgggaaaatt ctgtgttgcg gatgatgtgt 360
 gagctgctac gtaacttagc atataacagc aaaag 395

<210> 926

10 <211> 395

<212> DNA

<213> Arabidopsis thaliana

<400> 926

15 cctctagagc ggccgccctt tttttttttt ttttttttta gagaggaatc aatgatttga 60
 ttaaacaag ccaagacgaa ccggactaaa ccggagatag aaaaaatact ttataaacca 120
 gaaatcaata gaaacacacc aagggaagaa gaagggaaag caagcaagca ccagaagatt 180
 ctaagtatac tactaacaag ctttaactg aacacaaacc ccaaaccgaa gagaataaaa 240
 acagagtatt ctacatagtc ttgcatagtt acgtttcatc agccaaaact tgaaaagaag 300
 20 agaagccagt gaaaacaaaa gtttgaatct ctgaacaagg agcaaccgaa ataaacagtt 360
 taccttttagt ttaagaagag caacatgctc gtttc 395

<210> 927

<211> 395

25 <212> DNA

<213> Arabidopsis thaliana

<400> 927

30 ggatcctcta gagcggccgc cctttttttt tttttttttg gcctaagaac ttttatcaac 60
 ttaagagatt tggacatttg ttcaaaatga tgatgcaata cacaacaaac agatgatata 120
 cacacacaaa tatatatatc ttctctcaca gttttcaaag aatggccac ccattcttct 180
 ccgttttgaa atctactcat cagccacggg cgggtcgacc caacgaccat gttctttgat 240
 cagaccgatc agagcatctg ttgcctccgt catagctatc ccacgcttca ccaccgtctt 300
 tccgacataa aggtcgattt ttccgggaga accacctaca tatccgaaat cagcatctgc 360
 35 catttctcct ggtccattca caatgcatcc catga 395

<210> 928

<211> 395

<212> DNA

40 <213> Arabidopsis thaliana

<400> 928

ggatcctcta gagcggccgc cctttttttt tttttttttt attgaatgta attatagata 60
 ttattcataa tcagtttgtc acatacaatc tcttgcacag atatatacct ttaagtaaac 120
 45 acaaaaaagc agaacaaaat ccttttttta aaccttcata gtttcaatcg aaccgacagt 180
 tttgacttta ggcataacca tgtagttttt taagatcagt cgctggtgaa tgccattctt 240
 tgtttctgag cttccgatgg gagcttgaca tcagttgcta aaccgatggc ttgaaggaaac 300
 ttaacgacgt accaagtcac atcaagttgc caccattcta agccgtgtcg agctgagaac 360
 tcaaaagcat ggtgattggt gtgccatcct tcccc 395

50

<210> 929

<211> 395

<212> DNA

<213> Arabidopsis thaliana

55

<400> 929

gattcgatta cgacgacaag gaaatagaaa gcgaagaggg cttatcaacg ctttatgata 60
 gatggaggag ccaccactcc gttcctagga gtctaaatga aagggagaag agattcaacg 120
 ttttcagaca caatgtcatg catgtccaca ataccaacaa gaagaaccga tcctacaaac 180
 60 ttaagctcaa caagtttgca gatttaacaa ttaatgagtt caagaatgca tacaccggtt 240

5 ccaacatcaa gcatacacaga atgttgcaag gacccaaaacg cggctcaaaa cagttcatgt 300
 atgatcatga gaatttatcc aaattaccgt cctccgttga ttggagaaaag aaagggtgctg 360
 tcaactgaaat caagaatcaa ggaaaatgtg gaagt 395

<210> 930

10 <211> 394

<212> DNA

<213> Arabidopsis thaliana

<400> 930

15 tttttttttt tatctaagaa ctagaacagt ttcaccttca tatttcacat agggccaaaa 60
 ggccataaac atagagagag agagggttcta cctcttttagt tctacatact tatatataga 120
 taacttttagg gtaagctaaa aactaaaaag tctttttatat ataaggcggtt atatgcgtta 180
 tattcgcttg cttatctaaa ggtcaatgct tttaatgagc ttcagtgttg cgagtctctc 240
 gagaaagaca ttgaaaacgt cttcacgact aagcatgctg actcggacat gcttcttctc 300
 20 agatccacaa cgctctccag ctctgctcat taccttgtgt ctctcaatt cacttaccag 360
 atccgctctc tcttctgctc ctageccacgc aaac 394

<210> 931

<211> 394

25 <212> DNA

<213> Arabidopsis thaliana

<400> 931

30 ttttttaact gtttaaagt tttaccgaac ttttttccac cccgccaaaa agacgggttcg 60
 gagacatcat tatatttaca tctttaccct caccaattat ctttaattacg aatctacccc 120
 tcaccgggaa aaaaaaaaaa acaagaaaaa acaactcaa cgaccaccgt cctgatacta 180
 ctccggaagat accctccgga gattcgatca ttcagatcat cttcaagctc gatcctaata 240
 acagaatctt ccgaagacga aactcgagat ttcacgctat tcaagctcga acccattgct 300
 tcctcaagcc attcctctaa gctaattctta cttagccaga tcgcacctgc aattctctcc 360
 35 aaagcatcat cttcaatctc caccgttagt ccat 394

<210> 932

<211> 394

<212> DNA

40 <213> Arabidopsis thaliana

<400> 932

45 tttttttttt ttttttttga atgaataaaa gtcttataat tatgatgtgt gtacaactac 60
 aaagttttcc ttggagtata gtttgaggat ttatccagaa gtagcagaag aagcagctac 120
 agactcggag agttcttcca tgagttcctt ttgctccaaa gcagcacaag cctgcactgc 180
 gtccctctaaa gcaccgtcaa gaaatgttgt aagcgcaaag ttcattctta gcctatgac 240
 agtcactcta ctgtccttat aattgtatgt tcttatcttt tctgaacgag ctccagtccc 300
 aacctgagat ttcctttcat tccttatctt ctcttgttgt tcccttactt ttatttcata 360
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50

<210> 933

<211> 394

<212> DNA

<213> Arabidopsis thaliana

55

<220>

<221> misc_feature

<222> (1)...(394)

<223> n = A,T,C or G

60

5 <400> 933
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gtgcaaatac taaattacag taacagaaaa gataagagct cattttggaa tcttcttcac 120
atctcaccag ttcgtaatgc ttcaggcaag acagcatatt ttgtgggtgt tcaagtnnna 180
gcaagttgta gaaatactga aattaaagag ctgagaccag agacgagaca actgagtgtt 240
10 gtcggtgctg ttagagttgc ggtagaagc tcattgatgg tgacatgcta atatacgcca 300
gaaagaaaaat gcgtcgactt nnagaagagt ctaaagtga ttggacatac atctttacta 360
tatgtataat catttgacat actacattaa tata 394

<210> 934
15 <211> 394
<212> DNA
<213> Arabidopsis thaliana

<400> 934
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aatggataca tactccactg ttcttttatca cctgaaagaa gagatgaggt tgggctatct 120
ggctcaggaa ctgatttcag ttgatcgctt gtctccagaa tcctgggtgt cagttgggaa 180
ctgttacagt ttgcgtaagg atcatgatac tgctctcaaa atgtttcaga gagctatcca 240
actgaatgaa agattcacat atgcacatac cctttgtggc cagagtttg ccgcattgga 300
25 agaattcgag gatgcagaga gatgctaccg gaaggctctg ggcatagata cgagacacta 360
taatgcatgg tacggtcttg gaatgaccta tctt 394

<210> 935
<211> 394
30 <212> DNA
<213> Arabidopsis thaliana

<400> 935
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35 attgaagaaa aagaagaaga tcatcaaatg cgtgattttt acttttccgt tcaagtgtatt 120
gatcaaggga acataagcag ctagagacca caccactcag ttattttctat ctcatagtgc 180
ttgtggatgt tcaagctata agaatgtgct cgggtggttct atgaatatat aggaagattg 240
gtgttttgat gggatgggac accaaattgc taaggtttat ggtgttatca attactagta 300
cgtgttatct tccgaacaac caccaccatg gaatctcatc tgggaaatgg agtaggcagt 360
40 tcgagatctg ccaaaaatac aaagaacact tcta 394

<210> 936
<211> 394
<212> DNA
45 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(394)
50 <223> n = A,T,C or G

<400> 936
gaatagctgc caggttggtt gaaacgaaag gacgcacaac ttggattgat aaactatggt 60
gcgagtgggt aggagacgag ggtccttcag atgaggagaa ggctacgac cggagcatg 120
55 actttgccat tgtcacattc tctacttct acaatttggg taggtgggt ttgcttgatg 180
atccgggccg tcttctcaca tctagtcagt cagaatcagg gaatggtgag gacagtggca 240
ggaagagaaa gaagtctttc tcggatccag annacaccag tgaatctctg tgtaatcagt 300
atgactcttc tgaggagggt tcttcaggtc ataattcaaa ctogtcaaga gatctaatag 360
ctgattatga tgatagtctc atgagcaaaa gagt 394

60

5 <210> 937
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = A,T,C or G

15 <400> 937
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 tacctagagc ctaccatagt aacaatgccg actgaagaag aaatatcaac ttttgaccca 120
 atctgaaacc acgtgtcatc aagaggatat aacctcaaca cgtattagac aagtaatcgg 180
 aagatttcg ataacaactt ttgccgttga gcaccgatca cggtgagaga atcagcgtcg 240
 20 ataacaatcg aattgtgatt cttttggtta tcatcgaagt taaaccatcg aagctccaat 300
 ataatttaac agcataanna tatccgaata agcgtcggaa aattcttcgt ttcttcaacc 360
 aaggacgcca tctcttaata attcttgtta ctct 394

<210> 938
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

25 <400> 938
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 tggatggat tgttactgca taatctctca aacctatgaa actgagggat gaaaaaatcg 120
 agcttgttgg gtgttttcaa cagagtatcc atcgaattcc cccaaaatcg aagaaaacac 180
 caaaaggata taattcaaaa atcaccggac acgatttcta accagagggga ttgagaaaat 240
 ggaatactaa attgctagag aaaagatgaa cgaagaccac aaaacttacc cagaagcagt 300
 35 agcttcatgg agatggagac aattatcttc ttcccagaaa gagagagaaa gagagaattg 360
 agacctgccc gggcgccgc tgcacgcgcc agaa 394

<210> 939
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

40 <400> 939
 45 ccacgcgtcc gggagagctg aaaagatatg caattcacta tgacaaaaat gggcggtccaa 60
 gtggatcggc tgaagttgtg tatatgagaa gaagtgatgc aattcaagct atgaacatct 120
 cttaaagcaa gacttcgcat cttgtcatgt acttttgtgt tctttattcg tagtctctga 180
 ctaaatatgt gccaaagtct ggtttggttt aattacgttt aggatggctc tactctgctt 240
 tcgttttctt cttttcttgt ttcacacttt cacagtcact tttggttatt gaagttaaaa 300
 gagatttagc tgtaaatgag aaagctgttc ttgttagttg gttgaatcta atcatatacg 360
 50 aatttatctt aaaaaaaaaa aaaaaaaaaa aaaa 394

<210> 940
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 940
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 acaaaaaccc actaaaaaag aagacgaaat agttagaaag tcccacaact acgaaaaaaa 120
 60 taactgtatt atttgattgc ctataagact catgaatttt atatataata catcacgttt 180

5 cactacttgt gccttcaact ctccatagat gtgtaaactc ctgcaaccaa gaagatgaac 240
 atagcagtga gagctggctc aggcttctat attcaagtcc tttagtatcg tgtcatgtgt 300
 tghtaatatgt gaggaccgga tgtctgcgaa accaattgtt ctgaactttg ggagggtctt 360
 aagagatgat tcggaccatt tgggttcacc atcg 394

10 <210> 941
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

15 <220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = A,T,C or G

20 <400> 941
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 gcaagactta atttcaaaga tcactttggg ctccacgact ggagtaaagt agttaatgcg 180
 gtatgagacg aaccagtttc tgtcaaggct aattcggtcg cgttcttcat agccatnntt 240
 25 ctctccctaa cgggacactc cccaattatc tcttggaactc gtttctccac ctctgtagag 300
 ctcacgaaac cgtctctga ttcattcatc gaaatcgcaa tcttgatctc atccacaatc 360
 atcactctat taaacctctg ctcagcgtac aacg 394

30 <210> 942
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

35 <400> 942
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 acatccatct aaattcaagc taagatcatc tttcgaattt ttgatcaga tcattgccgt 180
 taagcaataa taaaacaaat caggagcaa ccttattgtt ctcccttagg tatgcatgtg 240
 cacctcttct gttcttctgt taactcctgg atctgccttt gaagaacttt cacgtattct 300
 40 actgcttctt ctaacatgtc tgcagtgttg gtttgcttgt ccatgttagg tacaagctct 360
 tgtagcttcc ttatccgac actaatccgc gtcc 394

45 <210> 943
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

50 <400> 943
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 aaaaagaact ttgcacaaat gaatttatca aatcaatagt tacaacaacg aagaaaatgt 120
 acaattttcc attctttgca ttacatatgt tgcagtcctg gttgtttcat tgggggtgaa 180
 ctatctttgt cctttaacgg tttagggcta tctccatctt ttgttttgtt ccagagagag 240
 ctgatgaatt gggctgcgcc gcttctagag agagtacact cttgtaaaat tcatacgaag 300
 taaagaatat ggctccttgc gacatgtaca tcactagtct ggggatcaag cctctgtata 360
 55 gtcctctcag accttcttgc ctgcgtattg attg 394

60 <210> 944
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

5

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ctatgtgatg cagaagttgc tctcatcatc ttctcaaata gaggaagct gtacgagttt 120
tgcagtagtt cgagcatgct tccgacactg gagaggtacc aaaagtgtat ctatggagca 180
10 ccagaaccca atgtgccttc aagagaggcc ttagcagttg taccgaattc tcttctcttt 240
cttctaatta ccttaattaa ttactctcaa tttttacttt gattttttaga gtcaaatgat 300
taatgttata atttgtcata tacttcagga acttagtagc cagcaggagt atctcaagct 360
taaggagcgt tatgacgcct tacagagaac ccaa 394
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15 <210> 945
<211> 394
<212> DNA
<213> Arabidopsis thaliana

20 <220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

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tttatctacn ngaacaaatg tcctaaaagc ctaacatttt tctctgctga attttccgac 120
taagttcctc cgccgacggg atgccgtcgt agccgcttgt tctggcactt ttccccgcgc 180
tctgccacca ggcctttaac tcctcctcaa gaaagtcttg gtttgagata aactgagact 240
30 caacaaggca agtcacacct ttaaccttaa ctgaaattaa gcttttctct gaatgtctcc 300
ttgagctttg tcctctctnn tccccatcta tgcgagctac ataataacct gttcctccaa 360
gcccttcttc ccatttcccg agccttaacc gcaa 394
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35 <210> 946
<211> 393
<212> DNA
<213> Arabidopsis thaliana

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agctaaaaag ttctacattc caaccaaact agagctaaag aattcctttt aaaagaaaag 120
tttaaaagaa caattaagac tctgaaaact ttttaatcct ccaccttctt tgcttagagc 180
tcgtcatggg cggcatcggg ttctctcggt tccttggttt cctcggcctc cttgggtttc 240
tcagactttg attcattgct tgagtcattc ccttcattgt catcatcttc tgettcttcc 300
45 tcagcgtcgg attcagcagg agcatccttt gactcctctt cctctctctt cttctcagct 360
tcgtcaaatg ctgctttctc cgcaccttg tgc 393
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50 <210> 947
<211> 393
<212> DNA
<213> Arabidopsis thaliana

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<400> 947
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55 tcttcaaaat acagaaattc agaagcgaaa attacagttt tgttcagcta tactttgcta 120
cagaaatgtc aaaggctttt tgatcagtag acttcaacgt tccattgctc tgccttcttc 180
aactgcttct tgtaatcaaa ccagtcataa ccgtcatttg cagccaatga gaccataatg 240
tcacaaatc ctttctccat tcccttgagt ccacacatgt aaacaaaagt gttgtcttcc 300
ttcaacaact ccataactc agctgcgtat tgcgccatcc gagtctggat atacattttc 360
60 tctcctttat cgttcgcttg ttctctgctt atc 393
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5
 <210> 948
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana

10
 <400> 948
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 acaacccaaaa atttgattaa cagtgaatgg atctgttcag tatcatcttg ccagctctca 120
 tggaatttga accaaaagaa actataatta cggaactcag attccgtttg gtcggagagt 180
 15 cgcacgcatt ggtttttttt tttcgttatt gtcaggaaaa aaaagagaag tattaagcat 240
 gaaagatctg aatcaatctc ttaagctgct gactctttag cgatcttctc tgcctttgca 300
 accacctcat cgatacctcc aaccatgtaa aacgattgtt cggaagatc atcgtacttg 360
 ccatccaaca aaccctggaa actgttgata ttt 393

20
 <210> 949
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana

25
 <220>
 <221> misc_feature
 <222> (1)...(393)
 <223> n = A,T,C or G

30
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 gaaaaccctt gaaggaatct tcgaatgcac ggaatcgctt acgcccattg gaaaagcctt 180
 caaaggtacg ttcatantag caggaggata ttctagagaa gacgggaaca aggcgggtgga 240
 35 agagggaaga accgatcttg tggcttatgg acggccgttc ttggcgaatc cggatctgac 300
 gaggagattc gaactcaatg agccgttgaa taggtacgat agatcaacgt tctacacttc 360
 agatcctgta gtgggctata cagactaccc ttt 393

40
 <210> 950
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana

45
 <220>
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 <222> (1)...(393)
 <223> n = A,T,C or G

50
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 gcgactttga ccgtttggct gataacgtta agtcaggtaa agcatggaga gacgcgtgga 180
 gaagcgctaa cgatggattc gagcaattcg tttttgaggc taagaaaacc gctgagcgaa 240
 ttgatcgcca atacgctggt tctcgccgct ttagctccgc tgctagctca gccgctgacc 300
 55 gtgctcgtga gattgatcgt gagtttggga ttactcctnn ngttaggact gtctctgccc 360
 atttcagtag aaatttcctt aagtacagga agc 393

60
 <210> 951
 <211> 393
 <212> DNA

5 <213> Arabidopsis thaliana

<400> 951

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10 atcctttctta ctccaaagtc ctcctcaaac gagccatcag tgtttttgca tttgcggaca 180
aatacagagg aacttatagt gcaggattaa aacctgatgt ttgtccattt tattgctctt 240
actctggtta tcaggatgaa ttgtttgtggg gagctgcttg gttacaaaaa gcgacaaaga 300
atttaaaata tttgaattac ataaaaatca atggacaaat ccttgagact gctgaatatg 360
ataacacttt tggttgggat aacaagcacg ctg 393

15

<210> 952

<211> 393

<212> DNA

<213> Arabidopsis thaliana

20

<220>

<221> misc_feature

<222> (1)...(393)

<223> n = A,T,C or G

25

<400> 952

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ataccgtatg atgatacacia aggattgcag tttgcttcga ttcttgaagt gagagtcagc 120
aacgggtggct ctgtgtcttc cttaggtggc aagaaactaa gtgttgaaaa ggcagactgg 180
30 gcggttctgc ttctggcggc ttcatctaac tttgatgggc catttactat gcctgttgat 240
tctaagatag accctgcaaa ggaatgcgtt aacagaatca gctcagtcn nnaatactcg 300
tactctgatc tttatgctcg tcatttgggt gactatcaga aacttttcaa ccgggtctct 360
ttacaccttt ctggaagctc aacaaatgaa act 393

35

<210> 953

<211> 393

<212> DNA

<213> Arabidopsis thaliana

40

<400> 953

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agacttacaa aaaaacaaag taagctcaat ttttcacaaa aaaaaatata attatatatt 120
cttacattac gaaaagacaa acgtatgaat tatttacatt agattaaagg aaaaaaatg 180
aattttaaga gttggtgtga ctagaaaaaac ttagtaccgt tccccacctg cctcacttct 240
45 caacggcgaa ttcactccat ttctcaacgt tctccggtga ttttccggtg aattcctcgg 300
cgacttggcc gtgggagatg gagacttggg tgtcgggagat ggagacgacc ggggatgatt 360
actttgttgt tgttgatgat gatgatgatg act 393

50

<210> 954

<211> 393

<212> DNA

<213> Arabidopsis thaliana

55

<400> 954

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ttgtttggat taagaggctt gttcagctctc attctcggag atgaaaatgc cattgatgac 120
acacaacgta tgatgcaaat ggggtgggtt ggatttgatg catcaaagag tctgggtgca 180
gagaaggatg gtttagacat aatccagcac gaatgggcac tacctcgatt tgagcagcg 240
gcagaatctg tattaagaaa actcgtgaag tagagagaaa cacgataagg ttttcagtga 300

5 aatctggttt acttcaactcg atgttgaaaa cattcgaact ttgtagaaac ttttacttga 360
aactgagtct taacagttag ttcttgtgtt tca 393

<210> 955
<211> 393
10 <212> DNA
<213> Arabidopsis thaliana

<400> 955
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15 attcatcacc aaatcatgta attactaata taaatatgca caaagaactt taacatatca 120
tcaccgtcga tcagatcgat ctatgaattt ttttctcagt aaagatcaag aacgtcaaag 180
atcgaacggg tacaaagagg acacgtccca cgattcatcc aaatctctct tgaacaaact 240
ctacaatacg tatgtccaca ggggaataaaa gccgcacctt tctctcttcc catacacaca 300
caacacagcg gatcattacc caaccacgtc gtcgtcgaat cacaaccgtc cgattccgca 360
20 agcaacctca tcaacgggtac ctcggcgcgc acc 393

<210> 956
<211> 393
<212> DNA
25 <213> Arabidopsis thaliana

<400> 956
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30 tttcccatga tatctctctt ttgtctacac agcttcccggt gcaagggtcac aaacttgctc 180
tagctgaccc aagtcacatc gtcctgtgat ggtgaatcga tcttacaagc tgtatgtatc 240
ttccaaaaac tcgggttacc tctgtttcct atagtgtaca aagactataa actcgacgca 300
gattcttcta tgtcttgatg cactgtagca ttcttcaatg tatgacatcg gaatcttgac 360
tgttttcggg tactgtatca ctgctatctt aag 393

<210> 957
<211> 393
<212> DNA
35 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

40

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tagctcatgg tgacggccca atcgtcttgg ttcttgctcc cactcgtgaa ctggctgtgc 180
50 agatacagca agaggcatct aaatttggtt catcctcaaa aattaagacc acttgcatct 240
atggtggggg tccaaaaggg cctcaagtgc gtgatctcca gaaagggtgtg gagatcggtt 300
tagctactcc tgggaggtta atagacatga tggagtcgaa caacacaaac ctacgaaggg 360
ttacttatct tgttttggat gaggtgatc gaa 393

55 <210> 958
<211> 393
<212> DNA
<213> Arabidopsis thaliana

60 <400> 958


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5  atttactctt gcaattttat tatatgaaat gaaaagcata accaaaagga tagattgcat      60
   tggaatcaaa tgaaatcgga acaaacaaac aaaagaacat tttcaaggga aaaaattcca      120
   aataataaat tgattaaagt gacctcttat ataatgcatg caaaatcata atcatcatca      180
   tcataatatg atcatcacga tcagtatttg ggagtggcgg gggcagcctt gggaccagtg      240
   tagtagaaag gtccgacgct aaagagctcc aagttcttgt ccgggtagaa acgggtatccg      300
10 tacaacgcca aggggaactcc tgtgagaccc ttgttaacat tggtcggggt cttgcaagtc      360
   tcgaccggag ataagtagag cttgacacga cag                                     393

<210> 959
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15 <212> DNA
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<220>
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20 <222> (1)...(393)
   <223> n = A,T,C or G

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25 tttttttgac aaatctttgt tttcttactt ttggtaaact gttactactt gtgaatttca      60
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   gaaaanaaac tcagggcaaa caatctttcc cctttgtaga caaaaangaa aattcgagtt      180
   tgaatctaaa ctatgcttgc tgcagtatcc tatacggggc tatcgaaatt ggcagattgt      240
   caccaggcct ttgcttagcc ttcagtatgc aaattgggtg gttgaattat agaaccaag      300
   aatttggttg catctgcaat gatcttgctg tgcttgctat ctatatatat tcggcatgtg      360
30 aacctttgtt tctgtctttt caagagatga ttg                                     393

<210> 960
<211> 393
<212> DNA
35 <213> Arabidopsis thaliana

<400> 960
40 cgcggccgct tcaactccaat cttcaattcg ccgtgtcaga tccgacctct ctgaaccgat      60
   caaatcgatc cgatctaaat ctgttcagct atctaactct catacagcta ctgagttact      120
   atctcaactcc gttcgtacgc ttcgtctctc taagaagctt cgagatctag cggattttcc      180
   tgatccagat aagatcgatc tcaactaaagc tgcacagttc catttcgaga tottaacaat      240
   gtgtaaagag tatgatctct ttggcattga tgtgattgat gaggaaatca agtttggtac      300
   tgagattgga gagaaattga gatctgaagc tatgaagggt ttggagagag gcatggaagg      360
   gttgaatcaa gctgaagttg ggactggttt gca                                     393

45 <210> 961
   <211> 393
   <212> DNA
   <213> Arabidopsis thaliana

50 <220>
   <221> misc_feature
   <222> (1)...(393)
   <223> n = A,T,C or G

55 <400> 961
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   gattgataat atgattttca aacaagtcct gagaaagttt attgaatgct tacttaagta      120
   aagaaggaaa caattctcat gaaccagtca cgtttggtg aaaccagaat gtggccgatg      180
60 gtgagtcac acacaacacc aggtacgtag cctattgcag ctgctatcca gctaaatact      240

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5 tgatcttccct cttccttgtc ttcattcttgt tcttgctttg ttgcttcttc ttctccacca 300
cattttttnnn ggagaggagc accgcaaagc ccgggattct ctgtgaaaga agaactatct 360
tgggtttgaa tctgagtggg ttctgggtatt gga 393

<210> 962
10 <211> 393
<212> DNA
<213> Arabidopsis thaliana

<400> 962
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actcaaataa caatgtcaac aatattaagg tctaacaaag taatgtttac acagaattac 120
agaacaatca gctgaccata ttaaattctta cttaaataag tttcgaaaaa aaacagtggg 180
aactgctgtg aagtgaagctg tttagtcatt agcactgact catgagacca gcaaaaaaat 240
gttgcttttg agtgaagaga agacctgatt gttgactttc aaagacaaca catgacaatc 300
20 aatctgtttg gtaagctcat ggcgttttagt agttatgtga atatccatcc ctgattttca 360
cagtacagtg tgcagtatct tgtatgatga agc 393

<210> 963
<211> 393
25 <212> DNA
<213> Arabidopsis thaliana

<400> 963
30 cctctagagc ggccgccctt tttttttttt tttttttttt ttatatgaaa actgggtttat 60
atgaatccaa aaacataagt caaagtttta cacatatctc tctgttcttc atgttgtaat 120
aaaagggaaa agaatacatt ccctagtcag acaaattcaa gagcggcaga tacataacaa 180
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ctccaaacat taccagacca tcaaagagta tattaaaatg tacgaagatc tacciaatctt 300
tattcaaggc tggatgatga atgattcgga aggcggatca ttgcgtggaa cgtaggttc 360
35 aggagacact accgggatat ccaagctgtt tct 393

<210> 964
<211> 393
<212> DNA
40 <213> Arabidopsis thaliana

<220>
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<222> (1)...(393)
45 <223> n = A,T,C or G

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aagccattag agagttacaa ttacaacaaa gatgaagtta accaggtagt atgtaacgga 180
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cagaaatgcc tttataaaac ccttagagct ggacacacaa gtgtatcctt acttcgtttt 300
ttttacccat tctcgtctat gaaactctac tagnnnnnaa aaaatgtctc aaatcaacac 360
cttaatgaga catataagat atgtagttct gta 393

55 <210> 965
<211> 392
<212> DNA
<213> Arabidopsis thaliana

60

5 <400> 965
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aaatggcaac cgaaaccgta ttagccacgg cggtgagcaa tggcaaaaagc aaaggatggt 120
gcaagtccgg tccaggttac gcgacgcctc tcgccgccat ggccgggtcca cgggaaaaagc 180
tcattctatgt cactgccctt tactccggaa cggggcgaga caaacccggac tacttggcaa 240
10 cggtggatgt ggatccaagc tcacccacat tttcaagcgt cattcacaga ctaaaaaatgc 300
catatatagg agatgagctt caccacactg gttggaactc ttgcagctct tgccatgggtg 360
atgcttctgc tgatagacgt taccttgtct ta 392

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15 <211> 392
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<220>
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<222> (1)...(392)
<223> n = A,T,C or G

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gtggttaagac cgctgaaata gtagatgggtc ggtctaattg cgccgggtcc accgccagta 180
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ctgtgtgaac cggtagnatc catattgtga ggatatcaga aatgaacaat gatgggtctg 300
30 tgaagtcatc taaagatgaa atggtgtgga agttgcatgt cccaattacg gaatttgcag 360
cacagcagca aagaatcctt gatttgaagt tc 392

<210> 967
<211> 392
35 <212> DNA
<213> Arabidopsis thaliana

<220>
40 <221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

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gccagagaca gagagaaaga ctgtaacgga ggatgtggtg gcgaagtggc cactactgaca 120
cactggtttc atgatggtga accacaacaa tggccagcga cccactgata ttgattctcg 180
tctccgacag acagaacaag ataagctctt gttccatgac tttttaggct ccaagaatcc 240
tacttttagca tccacttcca tggctgacca taggctacca ccggataata aggcgggctaa 300
ageggcgatg actccttcca cggtcctctc ttnntccgcc ggtggactcg gcggtctctc 360
50 ctcaacctcc gatctcgtcg aaagacacag cg 392

<210> 968
<211> 392
<212> DNA
55 <213> Arabidopsis thaliana

<400> 968
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60 tatgcgaagc tctcacatgt tacagcaacg attggcaaaa ggcgttgag tttttcaact 180

5 gggtcgagag agaatccgga ttcagacata ccaccgagac attcaatcgg gtgatcgata 240
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 tcattttata atctggtcga tgcgctttgc gagcataaac atgtggttga agctgaagag 360
 ctttgttttg ggaagaatgt cattggtaat gg 392

10 <210> 969
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 <213> Arabidopsis thaliana

15 <400> 969
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 aaccaaagc caagaaagat gttgctcctg ggaggttgat tgataacctat gctgcacagt 120
 gcgataactg tcacaagtgg aggggtgattg atagccagga ggaatatgaa gatatcagaa 180
 gtaaaatgct cgaggatcct ttttaactgtc agaagaaaca gggcatgtct tgtgaagagc 240
 20 ctgctgatat tgactacgat tcttctcggga cttgggtcat tgacaagcct ggtctcccca 300
 aaacgcctaa aggtttcaag agaagcttag ttctcagaaa agattactct aagatggata 360
 cctactactt tactcctacc ggaagaagc tc 392

25 <210> 970
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 970
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 tctacaagtt tctgaaatca agcaaaggcg ggctcttttg agacggcatt aagtggaact 120
 tcgcaaagtt cttggttgac aaagatggaa atgttgtcga tcgtttcgca ccaactacct 180
 cacctctcag cattgagaag gatgtgaaga agttgttggg agttactgct taagcaaggc 240
 aagattgcat aattagacaa ataaaagctc attagtattg tattaccaat actgtgtagt 300
 35 aagctgagtt cgtgagtgtg tgcctttggg accgcgtaca attataatcc gtttttttagc 360
 ggccaaacta tgtaataatc gtagatctaa at 392

40 <210> 971
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

45 <400> 971
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 ggcttctctc atgctctcct ccaccgctgt ggttacctcc ccggtcaag ccaccatggt 120
 cgctccattc accggcttga agtcatccgc ttctttcccg gtcacccgca aggccaacaa 180
 cgacattact tccatcacaa acaacggagg aagagtttagc tgcatgaagg tgtggccacc 240
 aatcggaag aagaagtttg agactctatc ttacctccct gaccttagtg acgttgaatt 300
 ggctaaggaa gttgactacc ttctccgcaa caagtggatt ccttgtgttg aattcgagtt 360
 50 ggagcacgga tttgtgtacc tcggccgcga cc 392

55 <210> 972
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

60 <400> 972
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 acaaagaatt tgctaagtag tacaagattc agggtttccc cactcttaag attttgagaa 120
 atggagggaa gtcggttcaa gattacaacg gacctcgtga agctgagggg attgtcactt 180

5 atttgaagaa gcaaagtggc cctgcttctg ttgaaattaa gtcagctgat tctgccactg 240
aggttggttg tgaaaagaat gttgttgctg ttggagtgtt ccctaaatta tccggggatg 300
agtttgattc ttctatggcc cttgctgaga aattgcgtgc tgactatgat ttcgcacaca 360
ctttggatgc taagtctctt cctcgtggag ag 392

10 <210> 973
<211> 392
<212> DNA
<213> Arabidopsis thaliana

15 <400> 973
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cgatggcgga ggatacgagc ttcgagggag accaactagc ttccatgact actgatgaca 120
tcggtagagc ttctcgtctc ttagccaacg agattcgcct cctcaaggaa gaatcgcaga 180
ggacaaacct tgatttgga tcaagtgaagg agaaaataaa ggagaaccag gagaagatta 240
20 agcttaacaa acagcttcct tacttagttg gcaatatcgt tgagattctt gagatgagtc 300
cagaggatga tgcagaggaa gatggagcga atatcgatct ggactctcag aggaagggaa 360
agtgtgtcgt tctaaaaaca tcaactcgtc ag 392

<210> 974
25 <211> 392
<212> DNA
<213> Arabidopsis thaliana

<400> 974
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tgatgaaact tggtaagtat tttggatgat gtgaaagatc agcatccatg atcacgacga 120
aatcacccgt agcatgcttc aaaccatgaa tatatgcagt tcccaaacca agcttcttgg 180
ctctagctct taaaaggata cggctcttcac catacaattg ctgcagttgc ttgacaattt 240
cctgtgtgcc atcaggactc ccatcatcca caacaattat ctcaaaatca acgtcccgga 300
35 gatgcttgaa aatcaggtag actatgatag cgatgttgag gcgctcgttg taggtaggaa 360
tgattatgct atacttgtac ctcggccgcg ac 392

<210> 975
40 <211> 392
<212> DNA
<213> Arabidopsis thaliana

<400> 975
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atgaacgtcc attgacgttt ctgaggtaca acagagaagg agatctgctt ttctcctgcg 120
ccaaggacca cacaccacc ctctggtttg ccgataacgg cgagcgcctt ggaacttacc 180
gtggtcacia cgggtgctgt tgggtgctgt atgtctccc agactcgtca agattgatca 240
ctggtagtgc tgatcagact gcaaagctgt gggatgtaaa atctggaaaa gaattgttca 300
ctttcaagtt taatgcccct acgaggtctg tggatttcgc tggtggagat cgtcttgacg 360
50 tgattaccac tgatcacttc gtggaccgta cc 392

<210> 976
<211> 392
<212> DNA
55 <213> Arabidopsis thaliana

<400> 976
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ggaaacctcc ttcagcttca gaagcttaac ccacaacgct tcttcgctgg atgggcaaaa 120
60 aaatacggtc caatcttgct atacaggata ggaagcagaa caatggtggt gatattctca 180

5 gctgagctag ctaaagagct tctcaagacg caagatgtca actttgcgga ccggcctcca 240
catcgtggcc atgagttcat atcctacggc aggcgtgaca tggcattaaa ccactacaca 300
ccgtattacc gagagataag gaagatgggg atgaaccact tgttctcacc aacacgtgtg 360
gccaccttta agcttgtagc tcggccgcga cc 392

10 <210> 977
<211> 392
<212> DNA
<213> Arabidopsis thaliana

15 <220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

20 <400> 977
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ctctgcactg tcctgctaac tgctgcagta catgtgcgtt aaacgagaat ctgtgttgct 120
ataaatccag atacattatc tcggccatta aacgtgaaca accaaacaaa agcaaagaaa 180
aaagatgggt accaatctaa accagttgct gctagttagc tcctttatga aagagtgaat 240
25 aaaaaaattg gagtccggag gaagaatgca tagaancaac aatgaaaatg gttaattgtc 300
taactaagtt gagaaatatc aacctcatca gnnnncttga aggtatccgc agcaccaaac 360
tttctaaatt cttcgccttc agccactgag tc 392

30 <210> 978
<211> 392
<212> DNA
<213> Arabidopsis thaliana

35 <220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

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tcaacgatga ccaaacacaa actagagtca cagtgaagc aattttcaag aatccggacc 120
aattatcatc ttatcatttt gctttgagtt ctgattttc cttgatatta tcttcttcgt 180
ttgacattgc ttctctgttt tcgtctggac aatgggttac acctgcgtct atctctggtc 240
cctttagaat gatttnnnct cttccgtttc ttagaactcg cattattctc ctctgctatg 300
45 acttccccaa ccaaatcatc ttcgaccatt ttacgaacga gaacatataa tctaggttct 360
gatgaactcg gctctagaaa gatctgtttt tg 392

50 <210> 979
<211> 392
<212> DNA
<213> Arabidopsis thaliana

55 <400> 979
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aactctgatg ctccaggacc cactggaaaag atagtcttta aactacttga taaagatcca 120
agtcagctcc ctgggactct acgatctgag atctataact ggctttcgaa cattccatca 180
gaaatggaga gttatatcag gcttggtgtg gttgttctat ctgtttatgt agcaatgtca 240
cctgcagcct gggaacaact tgagcaaaaa ttgctgcaac ggcttggtgt tttgctacaa 300
aattctcctt ctgatttttg gagaaacgca agatttatag ttaacacggg aagacaactc 360
60 gcatcacaca aaaatggtaa agttcgatgt ag 392

5
 <210> 980
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

10
 <220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

15
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 tgtaatgggt acaagagaca gtgaaaatac tcttgctgct gttcaactaa ctgtggatct 120
 taagccaaat ctcccagctg aggagagag aataagaaag tgtcgaggac gagtgtttgc 180
 20 tcttagagat gaacctgaag tttgtagagt ttggctgcc aattgtgact cacctggact 240
 tgctatggca cgtgcttttg gtgacttttg ccttaaagat tttggcctaa tctctgtgcc 300
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 gatttgggat gttctctcaa atgaagatgt ag 392

25
 <210> 981
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

30
 <400> 981
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 tgaaacaact gatctaaatg agctagttag aaaggaacct tggctctcgt ctgagaagct 180
 ggtggtgaaa cctgacatgt tgtttggaaa gcgtggcaag agtgggttgg ttgccttgaa 240
 35 attagatttt gctgatgttg ccaactttgt taaagaacgt ttgggaaaag aggtagagat 300
 gagtggatgc aaaggacca taacaacatt catagttaga ccatttggtc cacacaatga 360
 ggagtattat ctcaatgttg tctcggatcg gc 392

40
 <210> 982
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

45
 <400> 982
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 tttttacttc ttcaagttct tgcagtctat tttctcgaca attttctctg aaaatcttta 120
 cgggaaagtt gttctcatca ctggtgcttc ctccggtata ggcgagcaat tggcatatga 180
 gtacgcatgt agaggtgcat gtttagccct gaccgcccga aggaagaacc gtctagagga 240
 agtggcagag attgctcgtg aactcggatc tcccaatgtt gttaccgttc atgctgatgt 300
 50 ctccaaacct gatgactgta gacgaatcgt tgatgacacc atcaccatt ttggcagatt 360
 ggatcatctt gtaaataatg ctgggatgac gc 392

55
 <210> 983
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

60
 <220>
 <221> misc_feature
 <222> (1)...(391)

5 <223> n = A,T,C or G

<400> 983

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tacaataatg cacgaatcga tatacaaaata tgaaaaaaac aaattcaaaa caagaaaact 120
10 tgcaagttac aacaaataga accattaata atacagtact cacactcaca acgacaacgt 180
acgttctcgt ttattattcg atccacatat atacgccaaa gtaaatacta acaaaacgac 240
atcgtcccat tatccgcagc aattaagagc tttgtttctt cttatgggca cttgcggcgt 300
ccaccgtggg tggtagaggt agcgtnnnnc tggcacttgt cgtagtttcc gtacgtaccc 360
ggaggcacac agttgcacct gtagcagcaa g 391

15

<210> 984

<211> 391

<212> DNA

<213> Arabidopsis thaliana

20

<400> 984

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aatatttgat gtaagcaaca gaagaagtgt tggcatcttt gataagtgt ccaagcagag 180
25 gagcaagcaa acatttcttg tctttctctt tgtagaagta acccaaacac ttgcaatcac 240
gatcgacatt ggccttgcaa tcgttcacag aagttggggc ttgtccatca ttaacataag 300
gccagtaaaa atgctcaaca ccgactatct tataataatt gacagtttta cccttgactc 360
cgctgcaaaa ctgcgtcgtt ataggtgggtg c 391

30

<210> 985

<211> 391

<212> DNA

<213> Arabidopsis thaliana

35

<400> 985

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aaaagctaca aactaagaca ccagaaagct taatcagtaa attggtacaa gtttttatca 120
aatcaaatc ttctgaattc tttagttaaa cgtttcttct catgtatgct tttgttctgt 180
aaaatagtat cagcagcatt gtccattgta taactctggc tcattgctat attctgaact 240
40 cgtttagcaga ttacccttt tccctcttct ttcttcttct tcttcttctt cttctctttc 300
ttcagtggcc tcagtctcgc actctttatc ggaatctgcc atatggtcga agaaatcacc 360
aaaataccac ttacaatctt ctttccattc g 391

45

<210> 986

<211> 391

<212> DNA

<213> Arabidopsis thaliana

50

<220>

<221> misc_feature

<222> (1)...(391)

<223> n = A,T,C or G

<400> 986

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ttcggcctca aacagagaat cgtctttcaa aactcagttt ccaaacgaac ttacactcgt 120
tcaatctcaa accaataagg attagtacga aagttagaag ttttggtggg aatcggagag 180
agccgaagga ttcaagattt gtcgatgaaa atggcgtagt tgatgaaatg gaaggtttct 240
tagacaatct ctctctcgaa tacgactccg tttgggacac taaacctctt tgggtgtcagc 300

5 catggacgat aatgttaaca ggtttttcaa tagtggcntg tagctgggta atactacatt 360
cggtcatagt ttcgtcgctt gcggttgggtg t 391

<210> 987
<211> 391
10 <212> DNA
<213> Arabidopsis thaliana

<400> 987
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ttggtggttg catattagaa gcagccaata gagaacttta taagccagag gatttggcca 120
aagaaattac tactcaagca aagcctgtga atagaattgg ttttattggg cttggagcaa 180
tgggttttgg catggcagca cacctgttga aatcaaattt ttctgtctgt ggttatgacg 240
tatacaagcc aacacttgtc agatttgaga atgccggggg attggcggca aattccccag 300
ctgaagtgac gaaagatgta gatgttcttg taattatggg aacaaacgag gttcaggctg 360
20 aggatgtctt gtatggacat cttggagcgg t 391

<210> 988
<211> 391
25 <212> DNA
<213> Arabidopsis thaliana

<400> 988
30 tcgagcggcc gcccgggcag gtacagattt ctcttgccgg gaaattgcat aagagaaagc 60
gaatgatcgt tcgaatcttc accacataga gtcttaacttc tcattcatct taagacctct 120
acattgagag gaaacaaaagg ctggettga tctctctcgg gactaataac acttacacaa 180
ctgatataata atctctgcaa ttttgtctga ggcgtatcgg tgtcgggtgaa tgctgcagag 240
tttttcatca ggcacttcga gaggattatt aaaggggtgaa agattattgt atatagatag 300
acctctttgt ttcttcagga ttctgatttc gcatcaggca tgaaaacctt cattctctgt 360
gactgtgcat catcaaacat gagtttctat t 391

35 <210> 989
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<212> DNA
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40 <220>
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<222> (1)...(391)
<223> n = A,T,C or G

45 <400> 989
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agaagaggcc gcttctttgc atgcagccat tggcatggct gacttagaca tgattgattt 120
gtctgatgac aattggcaat ggacggattc accccccaga gtcgatgggt gggatagtga 180
50 tcctgccgat gttgatctct atgataggga tgacgtagat tgggatggac aatattccag 240
tgggaggaaa agaagatcag gtcgggattt tgtaatgagt gtcgattcct ttgccaggag 300
acacaggaaa cccngnatgg agacacaaga agatataaat caaagaatgc gttcagttga 360
gttggctgtc aaagaagctc tctctgcacg a 391

55 <210> 990
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<212> DNA
<213> Arabidopsis thaliana

60 <400> 990

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gaaggcggtt ggagtttcta aggatacggc ggcgtcgatg gaagcgtcga cgggtgttcc 120
tgggtttaaa ttctcgccga cggatgtgga gttgatttcg tattacctga agcgggaagat 180
ggatggccttg gagagggtccg ttgagggttat accggacctt gagattttaca atttcgagcc 240
ttgggatttta cccgataaagt cgatttgtgaa atctgatagc gagtggttct tcttctgtgc 300
10 gcgtgggaaa aagtatccac atggttcaca gaacaggaga gcaacgaaga tgggatactg 360
gaaagcaact gggaaaagagc gtgatgtgaa g 391

<210> 991
<211> 391
15 <212> DNA
<213> Arabidopsis thaliana

<400> 991
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tttttttttg tttcgtttaa aacaagaccc acttcatttg gtcctgtctt cagaaagtta 120
aaaggacaca aagagatgtc tatcgaatca tacatagaaa ttaaggcaga tttttttctt 180
cataaagaga taatttagta ggtgggattt tccatttagc ccatggcata cttctgagtc 240
cagcttcgtg cagtggactc gtacttgctt ttgtcagctt tgtacatgtg agctatctcg 300
ggcaccaaag gatcatccgg gtttggatcg gttaacaaag aacagatcga tagcagcacc 360
25 ttggaatgg tgagcgcagg actccactgc t 391

<210> 992
<211> 391
<212> DNA
30 <213> Arabidopsis thaliana

<400> 992
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35 agaaagaagt caggatcttc agaggggtctt tcacaacttc gacccaagtc ttcgacctat 180
ggagaaggcc gtggaatacc agagagctct tacagctgcc aaattagaaa agatatttgc 240
aaggccgttt gttggagcaa tggatggtca tcgtgatgga gtctcatgta tggcgaagaa 300
cccaaattac ctcaaaggaa tcttctctgc ttctatggat ggagatatc gcctttggga 360
40 tatctcttca aggtgtacct cggccgcgac c 391

<210> 993
<211> 391
<212> DNA
<213> Arabidopsis thaliana

45 <400> 993
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ttatataggt tataggatga tacaaccata catgaggatg tatatctca taattcaact 120
tattatggaa cttgattaaa agagtaattt aagggaagc aacattagaa tttggagatg 180
50 aaatcaagga taatttgag aatctcctga ggcttttctt ggttaatgaa gtgagccact 240
ccttccatga ccacaggctc ttcaagcaaa ggcacatctt ccttaactg gggaccatgt 300
atatattcct tcacaccagg catatagtag accagatcaa gctcccctat cacaacttt 360
gtaggaacct ggattttgct tcccaccat g 391

55 <210> 994
<211> 391
<212> DNA
<213> Arabidopsis thaliana

60 <400> 994

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aaatcctaca aatgaaatga ggaatgtttt ggtgtataga gagaaacatt acttaatctc 120
acttgtttct ggtgatgact ctatgggtca agtcaataag tgcccgcctc gatcttttga 180
catcttcatt gtctgtttca ggtagagacc cgattgcagc tgctgctaga ttcgcatgtt 240
ccatggctaa ttctcttgcc ctctgtatct ccttgctctt cccaagatac tctaaagcaa 300
10 tgtcaacatt cctaggatct ttttcaactt gatcaacaac ttcgcgtagt tgaggaaact 360
cttccatggc aaagaggatt ggggctgtta t 391

<210> 995
<211> 391
15 <212> DNA
<213> Arabidopsis thaliana

<400> 995
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gcaacaattt aagaaacaca tgaatgagac agaccctgag aagattcaga agcttaaaga 120
tgatgctgct cggggactca tcaatcacat gttgtttgag tcagcgaagc tgacaggagg 180
caaggtttagc cagagatcct gatgcagtct ggttgacagc tctcccattg ttattctctc 240
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25 ggttctctaa aaaaaaaaaa aaaaaaaaaa g 391

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<211> 391
<212> DNA
30 <213> Arabidopsis thaliana

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tgccacttac aataccccgt cgcgtattta agtcgtctgc aaaggattct acccgccgct 120
cggtggtaat tataattcaa ggcggtccga acgacgcttc cgccgaacgg acttagccaa 180
cgacacgtgc ctttgggagc ctaagctcct actgagggtc ggcaatcggg cggcggggcg 240
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tagcttcgcg ccaatggctt ttcaaccaag cgcgatgacc aattgtgcga atcaacggtt 360
40 cctctcgtag taggttgaat tactatcgcg a 391

<210> 997
<211> 391
<212> DNA
45 <213> Arabidopsis thaliana

<400> 997
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ccatctttta ctccagctcc tacaagcaat gctcagccat ccatgagaac tacatttggt 120
ccttcaactc cccctgcact gaagaatgca gatcaatatc agcagccaac catgagttct 180
cattcattca cgggaccatc taacaatgca taccctgttc ccccggttc tggtaatat 240
gcaccttctg gcccttcaca acttgggcaa taccctaacc ctaagatgcc ccaagttggt 300
gctccagcag ctggacccat aggatttacg cccatggcaa ctccaggagt tgctccaaga 360
tctgtgcaac cagcaagtcc tccaacacag c 391

55 <210> 998
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60 <220>

5 <221> misc_feature
 <222> (1)...(391)
 <223> n = A,T,C or G

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